VOLUME XXXI

JAN.—JUNE, 1917

# THE NATIONAL GEOGRAPHIC MAGAZINE

## INDEX

January to June, 1917

VOLUME XXXI

PUBLISHED BY THE
NATIONAL GEOGRAPHIC SOCIETY
HUBBARD MEMORIAL HALL
WASHINGTON, D.C.

$2.50 A YEAR

25 CTS A COPY

# NATIONAL GEOGRAPHIC SOCIETY

HUBBARD MEMORIAL HALL

SIXTEENTH AND M STREETS, WASHINGTON, D. C.


O. H. TITTMANN . . . PRESIDENT
JOHN E. PILLSBURY . VICE-PRESIDENT
GILBERT H. GROSVENOR, DIRECTOR AND EDITOR
JOHN JOY EDSON . . . . TREASURER
JOHN OLIVER LA GORCE . ASSOCIATE EDITOR
GEORGE W. HUTCHISON, ASSISTANT SECRETARY
O. P. AUSTIN . . . . . SECRETARY
WILLIAM J. SHOWALTER . ASSISTANT EDITOR

BOARD OF MANAGERS

1915-1917

CHARLES J. BELL
President American Security and Trust Company

JOHN JOY EDSON
President Washington Loan & Trust Company

DAVID FAIRCHILD
In Charge of Agricultural Explorations, Dept. of Agric.

C. HART MERRIAM
Member National Academy of Sciences

O. P. AUSTIN
Statistician

GEORGE R. PUTNAM
Commissioner U. S. Bureau of Lighthouses

GEORGE SHIRAS, 3D
Formerly Member U. S. Congress, Faunal Naturalist, and Wild-Game Photographer

GRANT SQUIRES
New York

1916-1918

FRANKLIN K. LANE
Secretary of the Interior

HENRY F. BLOUNT
Vice-President American Security and Trust Company

C. M. CHESTER
Rear Admiral U. S. Navy, Formerly Supt. U. S. Naval Observatory

FREDERICK V. COVILLE
Formerly President of Washington Academy of Sciences

JOHN E. PILLSBURY
Rear Admiral U. S. Navy, Formerly Chief Bureau of Navigation

RUDOLPH KAUFFMANN
Managing Editor The Evening Star

T. L. MACDONALD
M. D., F. A. C. S.

S. N. D. NORTH
Formerly Director U. S. Bureau of Census

1917-1919

ALEXANDER GRAHAM BELL
Inventor of the telephone

J. HOWARD GORE
Prof. Emeritus Mathematics, The Geo. Washington Univ.

A. W. GREELY
Arctic Explorer, Major Gen'l U. S. Army

GILBERT H. GROSVENOR
Editor of National Geographic Magazine

GEORGE OTIS SMITH
Director of U. S. Geological Survey

O. H. TITTMANN
Formerly Superintendent of U. S. Coast and Geodetic Survey

HENRY WHITE
Formerly U. S. Ambassador to France, Italy, etc.

JOHN M. WILSON
Brigadier General U. S. Army, Formerly Chief of Engineers


To carry out the purpose for which it was founded twenty-eight years ago, namely, "the increase and diffusion of geographic knowledge," the National Geographic Society publishes this Magazine. All receipts from the publication are invested in the Magazine itself or expended directly to promote geographic knowledge and the study of geography. Articles or photographs from members of the Society, or other friends, are desired. For material that the Society can use, adequate remuneration is made. Contributions should be accompanied by an addressed return envelope and postage, and be addressed:

GILBERT H. GROSVENOR, EDITOR


CONTRIBUTING EDITORS

A. W. GREELY
C. HART MERRIAM
O. H. TITTMANN
ROBERT HOLLISTER CHAPMAN
WALTER T. SWINGLE
ALEXANDER GRAHAM BELL
DAVID FAIRCHILD
HUGH M. SMITH
N. H. DARTON
FRANK M. CHAPMAN


Copyright, 1917, by National Geographic Society, Washington, D. C. All rights reserved

# CONTENTS


| | PAGE |
|---|---|
| America's Duty. By NEWTON D. BAKER | 453 |
| Belgium's Plight. By JOHN H. GADE | 433 |
| Bind the Wounds of France. By HERBERT C. HOOVER | 439 |
| Bohemia and the Czechs. By ALES HRDLIČKA | 163 |
| Burden France Has Borne, The. By GRANVILLE FORTESCUE | 323 |
| Conversion of Old Newspapers and Candle Ends Into Fuel, The | 568 |
| Devastated Poland. By FREDERICK WALCOTT | 445 |
| Do Your Bit for America: A Proclamation by President Wilson to the American People | 289 |
| Friends of Our Forests. By HENRY W. HENSHAW | 297 |
| Game Country Without Rival in America, A: The Proposed Mount McKinley National Park. By STEPHEN R. CAPPS | 69 |
| Needs Abroad, The. By IAN MALCOLM | 427 |
| Niagara at the Battle Front. By WILLIAM JOSEPH SHOWALTER | 413 |
| Oldest Free Assemblies, The: Address of Rt. Hon. ARTHUR J. BALFOUR, in the United States House of Representatives, May 5, 1917 | 368 |
| One Hundred British Seaports | 84 |
| On the Monastir Road. By HERBERT COREY | 383 |
| Our Armies of Mercy. By HENRY P. DAVISON | 423 |
| Our Big Trees Saved | 1 |
| Our First Alliance. By J. J. JUSSERAND | 518 |
| Our Foreign-born Citizens | 95 |
| Our Heritage of Liberty: An Address Before the United States Senate by M. VIVIANI | 365 |
| Our Second Alliance. By J. J. JUSSERAND | 565 |
| Our State Flowers: The Floral Emblems Chosen by the Commonwealths. By the EDITOR | 481 |
| Outspeaking of a Great Democracy, The: The Proceedings of the Chamber of Deputies of France on Friday, April 6, 1917 | 362 |
| Poisoned World, A. By WILLIAM HOWARD TAFT | 459 |
| Prizes for the Inventor: Some of the Problems Awaiting Solution. By ALEXANDER GRAHAM BELL | 131 |
| Red Cross Spirit, The. By ELIOT WADSWORTH | 467 |
| Republics—The Ladder to Liberty. By DAVID JAYNE HILL | 240 |
| Reviving a Lost Art | 475 |
| Russian Situation and Its Significance to America, The. By STANLEY WASHBURN | 371 |
| Russia's Democrats. By MONTGOMERY SCHUYLER | 210 |
| Soldiers of the Soil: Our Food Crops Must Be Greatly Increased. By DAVID F. HOUSTON | 273 |
| Stand by the Soldier. By Maj. Gen. JOHN J. PERSHING | 457 |
| Their Monument is in Our Hearts: Address by M. Viviani Before the Tomb of Washington, at Mount Vernon, April 29, 1917 | 367 |
| Ties That Bind, The: Our Natural Sympathy with English Traditions, the French Republic, and the Russian Outburst for Liberty. By Senator JOHN SHARP WILLIAMS | 281 |
| Tribute to America, A. By HERBERT HENRY ASQUITH | 295 |
| Valley of Ten Thousand Smokes, The: National Geographic Society Explorations in the Katmai District of Alaska. By ROBERT F. GRIGGS, Leader of the Society's Mount Katmai Expeditions of 1915 and 1916 | 13 |
| Warblers of North America, The | 303 |
| War, Patriotism, and the Food Supply. By FREDERICK V. COVILLE | 254 |
| What Great Britain is Doing. By SYDNEY BROOKS | 193 |

WASHINGTON, D. C.

PRESS OF JUDD & DETWEILER, INC.

1917

# INDEX FOR VOL. XXXI (JANUARY-JUNE), 1917

AN ALPHABETICALLY ARRANGED INDEX — ENTRIES IN CAPITALS REFER TO ARTICLES


A

Page

Abbé Robin's tribute to George Washington..... 535
Abraham's oak, near Hebron, Palestine, ill..... 189
Abrasive industry, Artificial: Niagara Falls, N. Y. 413
Acetylene gas: Niagara electrical laboratory..... 420
Aden: Somali mother and babe, ill. (duotone insert) ..... 558
Africa, Northern: Donkey burden-bearer, ill. (color insert) ..... 256-273
Agricultural scenes: Katmai district, Alaska, ill.. 16, 18, 19, 21, 22
Air, Cold: Sold in Paris..... 145
Airplane: Miami, Florida, ill..... 284
Airplane photograph of Ypres, Belgium, ill..... 337
Airplanes, German: Watch the allied plans, Monastir road..... 392
Alaska: A Game Country without Rival in America. By Stephen R. Capps..... 69
Alaska, Katmai district.....text, 13; ill., 12, 14-19, 21, 22-32, 34-50, 52-58, 60-62, 64-66
Alaska, Mount McKinley region, ill..... 69, 70, 72-76, 78, 80-83
Alaskan Eskimo family, ill. (duotone insert)..... 564
Alaska Range, ill..... 70, 72, 74
Alaska: The Valley of Ten Thousand Smokes. By Robert F. Griggs..... 13
Albert, Edward: Great Bohemian surgeon..... 183
Alcohol, Possibilities of: Inventions..... 133
Alexander column: Petrograd, ill..... 224
Alexander II, Monument to: Petrograd, ill..... 220
Algeria: Children of the desert, ill. (rotogravure insert) ..... 146-163
Algerian dancers, ill. (color insert)..... 256-273
Algerian immigrants: Ellis Island, ill..... 106
Alhambra: Hall of the Ambassadors, ill. (color insert) ..... 256-273
All France behind America then: 1780..... 519
All free assemblies modeled after the British Parliament and American Congress..... 368
Alliances, Our First and Second: France and America. By J. J. Jusserand..... 518, 565
Alliance which forbade conquest, An..... 521
Alliance with no hatred for the common enemy.. 521
Alloys, Production of: Niagara electrical laboratory ..... 419
Aluminum, Niagara's gift of..... 420
Ambulance, American: In a ruined French town, ill. ..... 452
Ambulance fleet in the Court of Honor, Hotel des Invalides, Paris, ill..... 454
Ambulance, Russian: Being blessed by priest, ill. 214
Ambulance, Springless and crude: Russian front, ill. ..... 451
America, All France then behind: 1780..... 519
America and France: Our First and Second Alliances. By J. J. Jusserand..... 518, 565
America arrayed against mad arrogance..... 363
America, A Tribute to. By Herbert Henry Asquith ..... 295
America, Do Your Bit For. By President Wilson 289
America, French faith in..... 518
American ambulance in a ruined French town, ill. 452
American children, ill. (rotogravure insert).. 146-163
American-Czechs, Distinguished..... 185
American Falls from Goat Island: Niagara Falls, N. Y., ill..... 415, 416
American hospital at Paris: Nurses, ill..... 444, 445
American hospital at Neuilly, France, ill..... 440
American invention, Our first and greatest..... 248
American nurse at Brod: Miss Emily Simmonds. text, 398; ill., 402
American Red Cross men: Saloniki, ill..... 400
American Red Cross War Council, ill..... 461
American Red Cross War Council, Addresses before ..... 423
American Revolution and the French..... 518
American warblers, North, ill. (color insert).. 305-320
America's debt to De Grasse..... 541
AMERICA'S DUTY. BY NEWTON D. BAKER. 453
America, The Russian Situation and its Significance to. By Stanley Washburn..... 371

Page

Andover Academy Red Cross unit off for France, ill. ..... 458
Animal behavior, Differences in: Alaska..... 78
Animal life, Signs of: Katmai district, Alaska... 29
Animals, Alaskan: A game country..... 69
Apple and blossom, The...text, 487; ill. (colored) 501
Apple of discord, ill. (rotogravure insert).... 146-163
Arabia, Aden: Somali mother and babe, ill. (duotone insert)..... 558
Arabian dancers, ill. (color insert)..... 256-273
Arab shod with fire, An: Type, ill. (color insert). 256-273
Araby, A daughter of, ill. (color insert)..... 256-273
Arch, Norman: Slovak house, ill..... 184
Armies and statesmen helpless without miners... 293
Armies of Mercy, Our. By Henry P. Davison... 423
Army, A democratic..... 209
Army auto with carrier-pigeons: France, ill..... 282
Army camp and the Y. M. C. A., ill..... 470-472
"Army of clerks and shopkeepers, An": New York City, ill. ..... 358
Army of Germany contrasted with the French army ..... 323
Army of old men in the fighting line: Serbians.. 386
Arrogance, Our dislike of..... 283
Artificial abrasive industry: Niagara Falls, N. Y.. 413
Artillery, French..... 330
Ash slides more than a thousand feet thick: Katmai district, Alaska..... 34
Ash, Volcanic: Katmai district, Alaska, ill.... 14, 15, 17, 18, 25, 36, 37, 41, 42, 44, 46, 54
Asquith, Herbert Henry, Formerly Prime Minister of Great Britain: A Tribute to America.... 295
Assemblies, The Oldest Free. By Right Hon. Arthur J. Balfour..... 368
Associations of the people: Russia..... 223, 227
Astronomical clock: Prague, Bohemia, ill..... 164
Aubigny, Church of: Converted into a hospital, France, ill. ..... 343
Audubon's warbler.....text, 307; ill. (colored) 309
Austrians and Hungarians in the United States, Distribution of..... 108
Austrian Tyrol: Boy feeding lamb, ill. (rotogravure insert)..... 146-163
Automobile burning: London road, ill..... 92
Automobiles, Army, ill..... 282, 283

B

Babies and their mothers: Many lands, ill. (duotone insert)..... 549-564
Babies, Japanese, ill. (rotogravure insert)..... 146-163
Baby and mother: Minnesota Indians, ill. (rotogravure insert)..... 146-163
Bagdad, A citizen of, ill..... 188
Baker, Newton D., U. S. Secretary of War: America's Duty..... 453
Baksheesh in abundance in Macedonia, ill..... 396
Balance of power in China: Chinese mother and her babies, ill. (duotone insert)..... 555
Balfour, Right Hon. Arthur J.: The Oldest Free Assemblies ..... 368
Balkan States: Immigrants at Ellis Island, ill.... 103
Baltimore, Maryland: Washington Monument, ill. 249
"Barabara," A: Typical hut in Katmai village, Alaska, ill. ..... 25
Barbering, Open-air, at Iven, Macedonia, ill..... 393
Barley and oats, Usefulness of..... 273
Barrels of porcelain for United States: Limoges, France, ill. ..... 366
Bath, Shower: Erected by French soldiers, ill.... 335
Battle Front, Niagara at the. By William Joseph Showalter ..... 413
Battleship ablaze in mid-ocean, ill..... 360
Battleships, United States, ill..... 348, 356, 360
Bavarian peasant: Immigrant at Ellis Island, ill.. 102
Bay-breasted warbler.....ill. (colored), 316; text, 318
Beach, Katmai: Alaska, ill..... 27
Beans, Soy: Valuable for food..... 275
Bear, An educated: Alaska, ill..... 83

Page

Bear hunter of Kodiak, Alaska ... 47
Bearpaw River, Alaska ... 79
Bear skin: Kodiak, Alaska, ill ... 29
Bear trail, Following a: Kodiak, Alaska ... 27
Beavers, Many and busy: Alaska ... 79
Bedouin beauty, A, ill. (color insert) ... 256-273
Bedouin mother and child (duotone insert), ill ... 552
Beggars: Saloniki, ill ... 403
Belgian appreciation, A demonstration of, ill ... 278
Belgian fugitives inscribe their addresses along the way, ill ... 438
Belgium: A madonna of sacrifice, ill. (duotone insert) ... 551
Belgium, Ghent: A bread line, ill ... 455
Belgium, Reflections of one back from ... 433
Belgium: River Meuse, ill ... 202
BELGIUM'S PLIGHT. BY JOHN H. GADE ... 433
Belgium, Termonde: Priests and nuns among the ruined buildings, ill ... 430
Belgium, War orphans from, ill ... 432, 434, 436
Belgium, Ypres: City photographed from a flying machine, ill ... 337
Belgrade mission of the Red Cross unit in Serbia, ill ... 450
Bell, Alexander Graham: Prizes for the inventor ... 131
Bell, Liberty: Philadelphia, Pa., ill ... 253
Berkeley, Governor: Opposed the printing press ... 110
Berries, Wild salmon: Alaska ... text, 15; ill., 24
Bible Society missionaries at Ellis Island, ill ... 123
Bier of a city, At the: Mons, Belgium ... 435
Big-game paradise, A: Alaska ... 75, 81
Big gun vs. the lighter one ... 333
BIND THE WOUNDS OF FRANCE. BY HERBERT C. HOOVER ... 439
Binoculars, Staff: Chuke Mountain, Macedonia, ill ... 406, 410
Birds: Carrier-pigeons, ill ... 282
Birds: Fish-hawks about to leave their nests, ill ... 303
Birds: Friends of Our Forests. By Henry W. Henshaw ... 297
Birds: Warblers of North America, ill. (color insert) ... 305-320
Biskra, Algeria: Dancers of the desert, ill. (color insert) ... 256-273
Biskra, Algeria: Street scene (rotogravure insert) ... 146-163
Bitter root, The (flower) ... text, 489; ill. (colored) 504
Black and white warbler ... text, 307; ill. (colored) 309
Blackburnian warbler ... text, 315; ill. (colored) 313
Blackfeet Indians (rotogravure insert) ... 146-163
Black-poll warbler ... text, 315; ill. (colored) 313
Black-throated blue warbler ... text, 311; ill. (colored) 312
Black-throated gray warbler ... text, 318; ill. (colored) 316
Black-throated green warbler ... text, 318; ill. (colored) 316
Bleaching powders: Niagara electrical laboratory ... 422
Blessings, Church: Bestowed upon Russian soldiers, ill ... 214, 215
Bligny, France: Hospital for consumptive soldiers, ill ... 425
Blockade possibilities: England ... 87, 91, 93
Blockley, Worcestershire, England, ill ... 90, 91
Bluebonnet, Texas ... text, 497; ill. (colored) 512
Bluejackets: Class in telegraphy, Naval training school, ill ... 472
Bluejackets, United States, ill ... 345, 346, 350, 354
Blue-top hay, Alaska, ill ... 18
Blue-winged warbler ... text, 311; ill. (colored) 308
Boats, Flying: Miami, Florida, ill ... 284
Bohemia, Scenes in, ill ... 164, 166, 168-174, 177, 178, 180-182, 184-186
BOHEMIA AND THE CZECHS. BY ALES HRDLICKA ... 163
Bohemia, Colonized by Germans ... 165
Bohemians in the United States ... 183
Bohemians, Origin of the ... 163
Bordeaux-Begles, France: Health-service warehouses, ill ... 333
Boy and donkey, Venezuela, ill. (rotogravure insert) ... 146-163
Boy coal-miner: Pennsylvania, ill. (rotogravure insert) ... 146-163
Boy eating apples, ill. (rotogravure insert) ... 146-163
Boy feeding lamb: Austrian Tyrol, ill. (rotogravure insert) ... 146-163
Boy headhunter: Philippine Islands, ill. (rotogravure insert) ... 146-163
Boy, Italian: Boy dressed in soldier uniform, ill. 121

Page

Boy Scouts charging with flags: New York City, ill ... 359
Boys and girls rolling bandages for the soldiers, ill ... 465
Bread line: Ghent, Belgium, ill ... 455
Bride and groom, Slovak, ill ... 168
Bride, War: Paris, ill ... 426
Bridge, Charles IV: Prague, Bohemia, ill ... 182
Bridge, Draw: Milwaukee, Wisconsin, ill ... 140
Bridges, Labyrinth of: Cleveland, Ohio, ill ... 134
Bridge tower: Prague, Bohemia, ill ... 173
British Empire's rally to the motherland ... 207
British fleet, The ... 199
British Isles: Map of harbors ... 85
British seaports, One hundred ... 84
British soldier receiving a food ticket, ill ... 336
Brod, Macedonia: Starving fed by an American nurse ... 398
Brooklyn: Marshal Joffre unveiling the Lafayette memorial, ill ... 566
Brooks, Sydney: What Great Britain is Doing ... 193
Buffalo grain elevators: New York, ill ... 274
Buffalo, New York: McKinley monument, ill ... 250
Bugler, Naval militia, ill ... 346
Bulgarian prisoners: Monastir Road ... 395
BURDEN FRANCE HAS BORNE, THE. BY GRANVILLE FORTESCUE ... 323
Burmese dwarf: Immigrant at Ellis Island, ill ... 129

C

Cactus, The ... text, 498; ill. (colored) 513
Calais, Russian aids at the Marne and ... 375
Camion, French: Monastir Road, ill ... 384
Camp, Grand View: Alaska ... 49
Camp, Military, and the Y. M. C. A., ill ... 470-472
Camp site, National Geographic Expedition, 1915: Alaska, ill ... 34
Camp, Trapper's: Alaska, ill ... 80, 81
Canada's contribution to the British forces, ill ... 206
Canada: Steel plant, ill ... 197
Canada warbler ... text, 314; ill. (colored) 320
Canadians and Newfoundlanders in the United States, Distribution of ... 109
Canadian side of the Horseshoe Falls: Niagara Falls, N. Y., ill ... 417
Canadian soldiers in training, ill ... 206
Canal, Ekaterinskaya: Petrograd, ill ... 220
Candle ends used for fuel ... text, 568; ill., 568-570
Candles to electricity, From: Inventions ... 131
Cannon, French: "Soixante quinze" ... 330
Cannon in Petrograd's Monument of Fame, ill ... 211
Cannon of France: 20-inch ... 335
Canyon, Wonderful scenery of the: Katmai, Alaska ... 55
Cape May warbler ... text, 310; ill. (colored) 312
Capps, Stephen R., of the U. S. Geological Survey: A Game Country Without Rival in America, the Proposed Mount McKinley National Park, Alaska ... 69
Carborundum, Manufacture of: Niagara electrical laboratory ... 419
Cardhouse of republics ... 252
Caribou in Mount McKinley National Park, Alaska, ill ... 76
Caribou, Thousands of: Alaska ... 77
Carnation, The ... text, 494; ill (colored) 507, 510
Carrel-Dakin method of sterilizing wounds: France 343
Carriage, Single-passenger: Russia, ill ... 225
Carrier-pigeons: French army, ill ... 282
Cart, Electric: Used in munition factories for shells, ill ... 328
Cart, Peasant: Carrying Russian wounded soldiers, ill ... 369
Cart, Russian peasant, ill ... 232
Casino, Russian officers': Afternoon tea, ill ... 217
Cathedrals, Russian, ill ... 218, 219, 230, 231
Cattle, Galloway: Experiment station, Alaska, ill. 22
Caucasus: Georgian military road, ill ... 229
Cavalry, French: Near Verdun, ill ... 338
Cavalry, Russian: Advancing into Austrian territory, ill ... 212
Cave of the Winds: Niagara Falls in winter, ill ... 418
Caverns formed by snow melting beneath volcanic ash: Alaska ... 36
Čech, Svatopluk: Bohemian poet ... 183
Ceylon: Mother and child, ill. (duotone insert) ... 561
Chair of ancient Greek "Pope," ill ... 406
Characteristics of the Czechs ... 176

Page

Charles IV of Bohemia: (Karel) ... 167
Charles IV bridge at Prague, Bohemia, ill. ... 182
Chat, Yellow-breasted ... text, 304; ill. (colored) 305
"Cheecha" sunning himself on a wall, ill. ... 394
Chemical engineering: Niagara Falls, N. Y. ... 413
Cherokee rose: Georgia's State flower ... 492
Chess, A game of naval ... 528
Chestnut-sided warbler ... text, 314; ill. (colored) 313
Children, Czech: Bohemia, ill. ... 174
Children, French war orphans, ill. ... 424, 428, 455
Children, Macedonian, ill. ... 396, 398, 403, 404
Children of all nations, ill. (rotogravure insert) ... 146-163
Children of all nations at Ellis Island, ill. ... 97, 99, 100, 103, 104, 114, 115, 118, 119, 121, 122, 124, 126, 127
Children working for the Red Cross, ill. ... 465
Chimney heat utilized: Inventions ... 141
China: A mother with her babies, ill. (duotone insert) ... 555
Choumadia Division, The: Serbians ... 387
Christianity accepted by the Czechs ... 165
Chuke Mountain, Staff binoculars on: Monastir Road, ill. ... 406, 410
Church converted into hospital: France, ill. ... 342, 343
Church, Greek: Katmai village, Alaska, ill. ... 25
Church Lench village, England, ill. ... 88
Church of St. Jacques Du Haut Pas, Paris: Wedding scene, ill. ... 426
Church of the Imperial Palace of Peterhof, Russia, ill. ... 239
Church of the Resurrection: Petrograd, ill. ... 220
Church, Týn: Prague, Bohemia, ill. ... 177
Citizen of Bagdad, ill. ... 188
Citizens, Our foreign-born ... 95
City Hall Square, New York City, ill. ... 290
City life preferred by immigrants ... 105
Cleveland, Ohio: Bridges across the Cuyahoga River, ill. ... 134
Climb, Highest above snow-line: Alaska ... 71
Clinton's fatal error: American Revolution ... 540
Clock, Astronomical: Prague, Bohemia, ill. ... 164
Clover field in Montana, ill. ... 567
Clover, Red ... text, 517; ill. (colored) 516
Coal beds: Mount McKinley National Park, Alaska ... text, 73; ill. 75
Coal fleet: Pittsburgh harbor, ill. ... 142
Coal-miner, Boy: Pennsylvania, ill. (rotogravure insert) ... 146-163
Coal mines, Women working in: France, ill. ... 332
Coins, Ornamental: Algerian dancers, ill. (color insert) ... 256-273
Cold air sold in Paris ... 145
College, William and Mary: Williamsburg, Va., ill. ... 542
Colonial engineer corps in France, ill. ... 200
Colorado columbine, The ... text, 489; ill. (colored) 503
Columbine, Colorado ... text, 489; ill. (colored) 503
Comenius or Jan Amos Komensky: Bohemian hero 179
Composers and musicians of Bohemia ... 183
Condensed milk, Macedonian peasants tried to churn ... 399
Conductors, Car: French women, ill. ... 331
Confederation, Swiss ... 244
Connecticut warbler ... text, 321; ill. (colored) 320
Cook, French military: Near Monastir, ill. ... 389
Cooling houses and cities artificially, The problem of ... 143, 145
Conquest, An alliance which forbade ... 521
*Constellation*, U. S. S.: Newport, R. I., ill. ... 348
CONVERSION OF OLD NEWSPAPERS AND CANDLE ENDS INTO FUEL, THE ... 568
Cooking class: Naval training station, Newport, R. I., ill. ... 352, 353
Corey, Herbert: On the Monastir road ... 383
Corn acreage, Expand the ... 275
Cornwallis' surrender at Yorktown, Va ... text, 543; ill., 546
Cornwallis' tribute to the French ... 544
Cossacks, Russian: Immigrants at Ellis Island, ill. ... 125
Costume, Algerian boy's, ill. (rotogravure insert) 146-163
Costumes, Algerian dancers', ill. (color insert) 256-273
Costumes, Indian, ill. (rotogravure insert) ... 146-163
Costumes of all nations: Immigrants at Ellis Island, ill. ... 97-107, 110, 113-130
Costumes: Saloniki streets, ill. ... 398, 403
Costumes, Slovak, ill. ... 118, 168, 178, 184-186
Costumes, Spanish gypsy girls, ill. (color insert) 256-273
Cotton market, Jerusalem, ill. (color insert) ... 256-273
Court of Honor, Hotel des Invalides, Paris: Ambulance fleet, ill. ... 454
Coville, Frederick V., of the U. S. Department of Agriculture: War, Patriotism, and the Food Supply ... 254
Cow-peas valuable for food ... 275
Cradle, Slovak: Bohemia, ill. ... 186
Crater, Katmai Volcano: Alaska ... text and ill., 53, 56, 57, 60
Criminologist, Swiss: In Serbia, ill. ... 390
Cruiser, Gasoline-driven express: Miami, Florida, ill. ... 284
Cuna-Cuna or Tule Indians: Panama, ill. (duotone insert) ... 560
Curie, Madame: Discoverer of radium ... 135
Cuyahoga River bridges, Cleveland, Ohio, ill. ... 134
Czech children: Bohemia, ill. ... 174
Czech-Americans, Distinguished ... 185
Czechs and Slovaks in Bohemia ... 163
Czechs, Bohemia and the. By Aleš Hrdlička ... 163
Czechs' characteristics ... 176
Czechs encouraged by Wycliffe ... 176

D

Daisy, The ... text, 497; ill. (colored) 512
Dancers of Arabia, ill. (color insert) ... 256-273
Dancers of the desert: Algeria, ill. (color insert) 256-273
Danes in the United States, Distribution of ... 108
Dangers of a Teuton drive on Petrograd ... 382
Dark days for the patriot cause: American Revolution ... 532
Davison, Henry P., Chairman of the War Council of the American Red Cross: Our Armies of Mercy ... 423
Death, An awe-inspiring valley of: Katmai district, Alaska ... 37
Decoration, Interior: Geometrical designs: Alhambra, ill. (color insert) ... 256-273
Defense work, Brushwood screens for: France, ill. 364
Deliverance, A message of ... 362
Democracy, The outspeaking of a great: France ... 362
Democracy and republics in 1917, Map showing distribution of ... 243
Democracy's chance to make good, A ... 291
Democratic army, A ... 209
Democratic peoples, The way of ... 195
Democrats, Russia's. By Montgomery Schuyler ... 216
Denali and Denali's wife: Mountain peaks, Alaska 72
Department store employees preparing for war: New York City, ill. ... 358
Desert, Dancers of the, ill. (color insert) ... 256-273
Destin, Emmy: Bohemian operatic star ... 183
DEVASTATED POLAND. BY FREDERICK WALCOTT ... 445
Dining-room for soldiers, Lyon hospital, ill. ... 433
Diviš, Prokop: Discoverer of the lightning rod ... 183
Dobrapolya Mountain, Serb soldiers on ... 386
Dobraveni, A family party at, ill. ... 407
Dog and child: Playfellows, ill. (rotogravure insert) ... 146-163
Doge, Office of the: Early Venice ... 241
Dogs, Alaskan, ill. ... 82
Dogs, French Red Cross, ill. ... 469
Dogs, Masterless, roam the barren hills: Macedonia ... 388
Dog-teams, Alaska, ill. ... 69
Dog, Wounded war, ill. ... 456
Donkey burden-bearer: North Africa, ill. (color insert) ... 256-273
"Donkeymobile" in Sicily, ill. (rotogravure insert) ... 146-163
DO YOUR BIT FOR AMERICA: A PROCLAMATION BY PRESIDENT WILSON TO THE AMERICAN PEOPLE ... 289
Drawbridge: Milwaukee, Wisconsin, ill. ... 140
Drunkard, Disappearance of the: Russia ... 224
Drying fruits and vegetables: Reviving a lost art text, 277, 475; ill., 476-479, 481
Duma, The Russian ... 221
Dust-storm, Exploring in a: Katmai district, Alaska ... 26
Dutch immigrants, Ellis Island, ill. ... 99, 100
Dvořák, Anton: Bohemian composer ... 183

Page

Dvortzovaya Square: Petrograd, ill. 224
Dwarf, Burmese: Immigrant, Ellis Island, ill. 129
Dynamite plotter, Preparedness against the 420

E

Economic success of Germany 475
Economic value of warblers 301
Egypt, The lure of, ill. (color insert) 256-273
Ekaterinskaya canal, Petrograd, ill. 220
Electrical laboratory: Niagara Falls, N. Y. 413
Electric cart for transporting shells: munition factory 328
Electricity, From candles to: Inventions 131
Electrodes for furnaces; leads for pencils 419
Electrochemical industry: Niagara, N. Y. 413
Elevators, Grain: Buffalo, N. Y., ill. 274
Ellis Island, Immigrants at, ill. 97-107, 110, 112-130
Elmley Castle village, England, ill. 89, 94
Emblems, Floral: State flowers, ill. (colored) 501-516
Embroidery, Bohemian: Peasant girl embroidering, ill. 171
"Emerald Isle" of the Pacific: Kodiak, Alaska, text, 13; ill., 19
Engineer corps, Colonial: France, ill. 200
England, A new 209
England and France given time to prepare 375
England, London: War rallies, ill. 194-204
England: One Hundred British Seaports 84
England, Our Debt to 281
England: Rural scenes, ill. 86-94
England: Women as war-time fire-fighters, ill. 296
England: Women munition workers, ill. 294
English child with grandfather, ill. (rotogravure insert) 146-163
English immigrants at Ellis Island, ill. 127
English immigrants in the United States, Distribution of 109
English Traditions, Our Natural Sympathy with. By Senator John Sharp Williams 281
Eruption of Mount Katmai benefits Kodiak: Alaska 13
Eskimo family, An: Alaska, ill. (duotone insert). 564
Evang, Jan: Bohemian scientist 183
Exhibit of a million dollars in gold: San Francisco, ill. 473
Exodus from Poland, ill. 448
Expeditions to Alaska: National Geographic Society, 1915-1916. By Robert F. Griggs, Leader. 13
Experiments by Alexander Graham Bell 143
Exploring in a dust-storm: Katmai district, Alaska 26
Exploring parties: Mount McKinley region, Alaska 73

F

Fair, Nizhni-Novgorod: Russia, ill. 237, 238
Families, Large: Immigrants, Ellis Island, ill. 100, 122, 124, 126, 127
Family, Large: Rural Russia, ill. 233
Farmers, the soldiers behind the firing line 291
Father and son: Ex-President William H. Taft and son, ill. 468
"Feeding the motherless lamb," ill. (rotogravure insert) 146-163
Ferdinand, The tyranny of: Bohemia 170
Ferro-chromium for shells 419
Ferro-silicon industry: Niagara 419
Fertilizer, Human bones for: Poland 448
Fickle Creek: Katmai, Alaska, ill. 34, 35
Fight not for recompense, but for liberty 522
Finances, Britain's war 203
Finley, John H. "The Red Cross Spirit Speaks" (poem) 474
Finnish immigrants: Ellis Island, ill. 116
Finns and Russians in the United States, Distribution of 109
Fire-fighters, War-time: English women, ill. 296
"Fish Cottages": Blockley, Worcestershire, England, ill. 90
Fisherfolk: Rural England, ill. 87
Fish-hawks, Young: Gardiner's Island, N. Y., ill. 303
Fish, Tombstone to a: England, ill. 91
Flag, Pledge to the: Philadelphia, ill. 292
Flag, Saluting the: New York City, ill. 361
Flags, U. S.: Boy scouts charging with flags, New York City, ill. 359
Fleet, The British 199
Flemish war orphans, ill. 432, 434

Page

Flocking of small birds 299
Flood explained; Tremendous: Alaska 51
Flood, Mysterious source of: Katmai district, Alaska 26, 38
Flowers, Our State. By the Editor text, 481, ill. (color insert) 501-516
Flying boats: Miami, Florida, ill. 284
Food conservation: Drying methods text, 475; ill., 476-479, 481
Food demands increasing more rapidly than our production 255
Food "dump" alongside the Monastir road, ill. 409
Food: Soldiers of the Soil. By David F. Houston 273
Food Supply, War, Patriotism, and the. By Frederick Coville 254
Food tickets for soldiers: Paris, ill. 336
Forage, Reserve sufficient 277
"Forest Cantons": Switzerland 244, 252
Forest, Giant: California text, 1; ill., 2-11
Fortescue, Granville: The Burden France has Borne 323
Forests, Friends of Our: (Birds). By Henry W. Henshaw 297
Fortune-teller: Nizhni-Novgorod, Russia, ill. 227
Fortune-tellers, Spanish gypsy, ill. (color insert) 256-273
Fountain, Turkish: Saloniki, ill. 400
Fox cub drinking condensed milk: Alaska, ill. 26
Foxes are plentiful: Alaska 79
France, (All) behind America then: 1780 519
France: A madonna of sorrow at her son's grave, ill. (duotone insert) 549
France: American ambulance in a ruined town, ill. 452
France and America: Our First and Second Alliance. By J. J. Jusserand 518, 565
France and England given opportunity to prepare 375
France: Army auto with carrier-pigeons, ill. 282
France, A soldier's grave in, ill. (duotone insert) 549
France, Bind the Wounds of. By Herbert C. Hoover 439
France, Bligny: Hospital for consumptive soldiers, ill. 425
France: Colonial engineer corps, ill. 200
France fought for an idea: American Revolution 539
France, Gard: Women in the coal mines, ill. 332
France, Limoges: Porcelain ready for United States, ill. 366
France: Lyon Hospital dining-room for wounded soldiers, ill. 433
France: Soldiers harvesting, ill. 280
France: The Burden France has Borne. By Granville Fortescue 323
France, The love of liberty spreads in 248
France: The outspeaking of a great democracy 362
France: Women car conductors, ill. 331
France: Women munition workers 322, 326
Free Assemblies modeled after the British Parliament and American Congress 368
Freedom, a delicate flower 247
French army contrasted with the German 323
French cook near Monastir, ill. 389
French faith in America 518
French fleet at Newport 528
French fleet, First-hand picture of life in the 525
Frenchmen's impression of George Washington 533
French officers in the American Revolution, ill. 520, 523, 527, 531, 546
French patriotism, Interpreting 323
French Red Cross dogs leaving Paris, ill. 469
French Red Cross train, ill. 334
French Republic, The first 251
French Republic, Our Natural Sympathy with the. By Senator John Sharp Williams 281
French reserves on way to Verdun, ill. 338
French "soixante-quinze" gun: Shell cases, ill. 337
French soldiers harvesting: Department of the Marne, ill. 280
French soldiers' shower bath, ill. 335
French war orphans, ill. 424, 428, 455
French women, Heroism of the 343
Frič, Ant.: Bohemian paleontologist 183
FRIENDS OF OUR FORESTS (BIRDS). BY HENRY W. HENSHAW 297
Friendship ratified in blood: America and France 362
Fruits and vegetables: Drying methods text, 475, 480; ill., 476-479, 481
Fuel, Conversion of old newspapers and candle ends into text, 568; ill., 568-570
Fumarole, The first: Katmai, Alaska 53

G

Page

Gade, John H., of the American Commission for Relief in Belgium: Belgium's Plight..... 433
GAME COUNTRY WITHOUT RIVAL, IN AMERICA, A: The Proposed Mount McKinley National Park. By Stephen R. Capps..... 69
Gameless days are rare: Alaska..... 80
Game of naval chess..... 528
Game paradise, A big-: Alaska..... 75, 81
Garden in the Holy Land, A, ill. (color insert).. 256-273
Gardens, Palace: Prague, Bohemia, ill..... 172
Gard, France: Women in the coal mines, ill..... 332
Gardiner's Island, N. Y.: Young fish-hawks, ill.. 303
Gas masks, women munition workers wearing, ill. 325
Gas masks worn by nurses, ill..... 442
Gate, Pink stucco: Jaipur, India, ill. (color insert) 256-273
Genoa as a republic..... 244
George Washington was English..... 282
Georgian military road over the Caucasus, ill.... 229
Gerard, Chevalier, ill..... 531
German army contrasted with the French army.. 323
German fliers watch the allied plans: Monastir road ..... 392
German guard, A: River Meuse, ill..... 202
German hordes drawn from the West by Russians 375
German immigrants: Ellis Island, ill..... 122
Germans: Born and bred to the hardened heart.. 445
Germans boss the road mender of the Monastir road ..... 393
Germans colonize Bohemia..... 165
Germans in the United States, Distribution of... 108
Germans oppose a liberal Russia..... 373
German war machine is strong, Why the..... 380
Germany's contempt, The fruit of..... 462
Germany's economic success..... 475
Ghent, Belgium: A bread line, ill..... 455
Giant Forest: California.....text, 1; ill., 2-11
Giant, Russian: Immigrant, Ellis Island, ill..... 130
Girl, Bohemian peasant, ill..... 171
Glacier, Muldron: Alaska..... 73, 83
Gold, A million dollars in, ill..... 473
Golden poppy, The.....text, 487; ill. (colored) 502
Goldenrod, The.....text, 496; ill. (colored) 511
Golden-winged warbler....text, 306; ill. (colored) 308
Grafton Flyford, England: Post-office, ill..... 86
Grain elevators, Buffalo, N. Y., ill..... 274
Granada, Spain: Alhambra, ill. (color insert). 256-273
Granada, Spain: Native gypsy, ill. (color insert). 256-273
Grand View Camp: Alaska..... 49
Grape, Oregon.....text, 500; ill. (colored) 515
Grasse, Admiral De, ill..... 527
Grasse, De, America's debt to..... 541
Grave of French soldier, ill. (duotone insert).... 549
Great Britain in transition..... 210
Great Britain: What Great Britain is Doing. By Sydney Brooks..... 193
Greek immigrant: Ellis Island, ill..... 120
Greek "Pope" and his open-air pulpit, ill..... 406
Greek soldier of the Royal Guard at Ellis Island, ill. ..... 120
Gréger, Julius: Bohemian journalist..... 183
Grenade, Rifle, Work of the..... 329
Griggs, Robert F.: Leader of the National Geographic Society's Mount Katmai Expeditions of 1915 and 1916. The Valley of Ten Thousand Smokes ..... 13
Griggs, Robert F.: In Alaska, ill..... 28
Guard, A German: River Meuse, ill..... 202
Guard, A Turkish bank, ill..... 106
Guardsman, A National, ill..... 347
Guns: Big guns *vs.* lighter ones..... 333
Guns, Russian 8-inch, ill..... 374
Guns, The synchronized fire of 400..... 336
Gun team: Monastir road, ill..... 408
Gymnasium instruction: Naval training station, Newport, ill. ..... 349
Gypsies, Serbian: Immigrant, Ellis Island, ill.... 128
Gypsy girls, Spanish, ill. (color insert)..... 256-273
Gypsy mother and child: Hungary, ill. (duotone insert) ..... 563

H

Hale, Nathan: Statue in New York City, ill..... 290
Harbors, British: Map..... 85
Harvesting hay: Alaska, ill..... 18, 19, 21
Harvesting in the Department of the Marne: French soldiers, ill..... 280
Haunts of wood warblers..... 298
Havlíček, Karel: Bohemian journalist..... 183
Hawks, Fish-: Young about to leave their nest, ill. 303
Hay, Alaska, ill..... 18, 19, 21
Hay foot, Straw foot: American children, ill. (rotogravure insert)..... 146-163
Hay, Reserve sufficient..... 277
Headgear: Metal helmets used by French soldiers, ill. ..... 339, 386
Headgear of all nations: Ellis Island, ill..... 97, 101-106, 110, 113, 115-121, 125, 129
Headgear: Oriental dancers, ill. (color insert). 256-273
Headgear: Philippine Island head-hunter, ill. (rotogravure insert)..... 146-163
Head-hunter, Boy: Philippine Islands, ill. (rotogravure insert)..... 146-163
Health Service warehouses: France, ill..... 333
Heaters, Ration: Making and using.....text, 568; ill., 568-570
Heat in the chimney utilized, ill..... 141
Hebrew vegetarian, Russian: Immigrant, Ellis Island, ill..... 98
Hebron, Palestine: Scenes in and near Hebron, ill. ..... 189, 191, 192
Helmets, French trench: Serb soldiers on Dobrapolya Mountain, ill..... 386
Helmets, Metal, used by French soldiers, ill.. 339, 386
Henshaw, Henry W.: Friends of Our Forests (Birds) ..... 297
Heroism of the French women..... 343
Hero of war, The true..... 324
Hides, Siberian: Nizhni-Novgorod, Russia, ill.... 227
Hill, David Jayne, Formerly U. S. Minister to Switzerland, to the Netherlands, and Ambassador to Germany: Republics—The Ladder to Liberty ..... 240
Hindu: Immigrant, Ellis Island, ill..... 129
Historians, Bohemian..... 181
"Hobby-horse" to the motor-cycle, From the: Inventions ..... 133
Holmwood, Surrey, England: Sun-dial house, ill. 93
Honorable rules of war rigorously observed..... 523
Hooded warbler.....text, 321; ill. (colored) 320
Hoover, Herbert C., Chairman of the Committee for Relief in Belgium: Bind the Wounds of France ..... 439
Horseshoe Falls: Niagara Falls, ill..... 414, 417, 421
Hospital, Army: In a railway car, ill..... 443
Hospital dining-room for wounded soldiers: Lyon, France, ill. ..... 433
Hospital for consumptive soldiers: Bligny, France, ill. ..... 425
Hospitals, American: France, ill..... 440, 444, 447
Hospital, Spadina military, Toronto: A wounded Canadian, ill. ..... 431
Hospital, War emergency: French Church, ill. 342, 343
Hotel des Invalides, Paris: Ambulance fleet in the Court of Honor, ill..... 454
Houston, David F., U. S. Secretary of Agriculture: Soldiers of the Soil..... 273
Hradčany, Royal Palace of: Prague, Bohemia, ill. 166, 172
Hrdlička, Aleš, Curator of Physical Anthropology in the U. S. National Museum: Bohemia and the Czechs ..... 163
Human bones for fertilizer: Poland..... 448
Human machine in action: French artillery..... 330
Hummingbirds, Migration of..... 300
Hungarian gypsy mother and child, ill. (duotone insert) ..... 563
Hungarians and Austrians in the United States, Distribution of..... 108
Hunter, Bear: Kodiak, Alaska..... 47
Hunters, Pot-: Their destructive toll in Alaska... 81
Hunting: Alaska, ill..... 81, 82
Hussite Church now Týn Church of Prague, ill.. 77
Hussite wars of Bohemia..... 167
Huss, John: Martyrdom of, Bohemia..... 167
Hut, Native: Katmai village, Alaska, ill..... 25

I

Ice: Opening of navigation through the ice: St. Mary's River, ill..... 276
Icicles, Gigantic: Niagara Falls in winter, ill. 418, 421
Ideals, Fighting for Washington's..... 367
Ideals of France, The..... 323

Page

Ilongote tribe, Philippine Islands: Youthful head-hunter, ill. (rotogravure insert) ..... 146-163
Immigration bill vetoed by Presidents ..... 95
Immigration, Labor's debt to ..... 111
Immigrants in the United States, Distribution of ..... 108, 109
Immigrants: Our foreign-born citizens ..... text, 95; ill., 97-107, 110, 112-130
Immigrant's preference for city life ..... 105
Immortal act of a glorious nation ..... 365
Independence Hall, Philadelphia, ill ..... 246, 253
Independence Square, Philadelphia: Patriotic demonstration, ill ..... 292
India, Jaipur: Gateway, ill. (color insert) ..... 256-273
India, Marvelous gifts from: European war ..... 207
Indian madonna of the Great Plains, ill. (duotone insert) ..... 554
Indian mother and babe: Panama, ill. (duotone insert) ..... 560
Indian paintbrush, The ..... text, 500; ill. (colored) 515
Indians, Blackfeet, ill. (rotogravure insert) ..... 146-163
Indians, Ojibway tribe: Mother and child, ill. (rotogravure insert) ..... 146-163
Industries, British: Rewrought ..... 203
Insects, Dead: Katmai Valley, Alaska, ill ..... 47
Interpreting French patriotism ..... 323
Invention, America's first and greatest ..... 248
Inventor, Prizes for the. By Alexander Graham Bell ..... 131
Inventor: Josef Ressl ..... 183
Ireland's gift to America in immigrants ..... 101
Irish in the United States, Distribution of ..... 108
Iron heel that crushes Belgium, The, ill ..... 202
Italian boy dressed in soldier uniform, ill ..... 121
Italian immigrants: Ellis Island, ill ..... 101, 121
Italians in the United States, Distribution of ..... 109
Iven, Open-air barbering at: Macedonia, ill ..... 393

J

Jack Horner, A Sahara, ill. (rotogravure insert) ..... 146-163
Jaipur, India: Gateway, ill. (color insert) ..... 256-273
Japan: A mother of warriors, ill. (duotone insert) ..... 553
Japanese children, ill. (rotogravure insert) ..... 146-163
Jefferson visited by Rochambeau ..... 545
Jerash, Ruins of, ill ..... 190
Jerome, General: French army, ill ..... 401
Jerusalem: Garden and a cotton market, ill. (color insert) ..... 256-273
Jews, Polish: War refugees, ill ..... 449
Jews, Russian: Immigrants, Ellis Island, ill ..... 124
Joffre, Marshal: Before Lafayette memorial, Brooklyn, ill ..... 566
Jollyboy, A romp with, ill. (rotogravure insert) ..... 146-163
Journalists, Bohemian ..... 183
Jusserand, J. J., Ambassador from France to the United States. Our First Alliance and Our Second Alliance ..... 518, 565
Justice, The harvest of ..... 363

K

Kaiser, The perverted teachings of the ..... 379
Karel of Bohemia (Charles IV) ..... 167
Katmai, Alaska: Scenes, ill ..... 25, 27, 28, 30-32, 34-50, 52-58, 60, 62, 64, 66
Katmai Canyon: Mt. Katmai, Alaska, ill ..... 58, 61
Katmai District of Alaska, The Valley of Ten Thousand Smokes. By Robert F. Griggs ..... 13
Katmai, Pass, Ascent to, Alaska ..... 63
Katmai River, Alaska, ill ..... 39, 48, 60
Katmai volcano and vicinity, Alaska: Sketch map ..... 23
Kentucky warbler ..... text, 314; ill. (colored) 317
Khan, Ancient: near Hebron, ill ..... 191
Kilts, Scotch, ill ..... 97
Kit packing by Scotch Highlander, ill ..... 199
Kocian: Bohemian musician ..... 183
Kodiak, Alaska, ill ..... 12, 14, 15, 19, 21, 22, 24, 26, 29
Kodiak and the mainland contrasted: Alaska ..... 20
Kodiak "Emerald Isle" of the Pacific ..... text, 13; ill., 19
Komensky, Jan Amos (Comenius): Bohemian hero 179
Kramář, Karel: Bohemian statesman ..... 183
Kremlin, Moscow, Russia, ill ..... 230, 231
Kubelik, Jan: Bohemian musician ..... 183

L

Page

Labor's debt to immigration ..... 111
Lafayette, Marquis De, ill ..... 523
Lafayette memorial unveiled by Marshal Joffre: Brooklyn, ill ..... 566
Lake, A vitreolic: Alaska ..... 54
Lamb feeding from bottle: Austrian Tyrol, ill. (rotogravure insert) ..... 146-163
Lapland immigrant: Ellis Island, ill ..... 110
Lapland mother and her babies, ill. (duotone insert) ..... 556
Latin was the language of communication: American Revolution ..... 532
Laurel, Mountain ..... text, 448; ill. (colored) 503
Lava blown to fragments: Katmai district, Alaska 40
Leads for pencils, electrodes for furnace ..... 419
Leontieff, General: With the Russian army in Macedonia, ill ..... 394
Lessons of the war ..... 209
Lewis' syringa (flower), ill. (colored) ..... 505
Liberal Russia, A, Opposed by Germans ..... 373
Liberty, A fight for ..... 522
Liberty Bell: Philadelphia, Pa., ill ..... 253
Liberty, Cradle of: Independence Hall, Philadelphia, ill ..... 246
Liberty, Love of: Spreads in France ..... 248
Liberty, Our Heritage of. By M. Viviani ..... 365
Liberty, Republics—The Ladder to. By David Jayne Hill ..... 240
Liberty, Statue of: New York harbor, ill ..... 245
Lightning rod, Discoverer of: Prokop Divis ..... 183
Lily, Sego or Mariposa ..... text, 498; ill. (colored) 512
Limoges, France: Barrels of porcelain for U. S., ill ..... 366
Lion: Nelson Monument, London, ill ..... 204
Lodz, Fortification at: The "Verdun" of the Russian line ..... 446
Log raft, San Diego harbor, ill ..... 139
Logs, Big tree: Sequoia National Park, ill ..... 37
Logs, Hauling: Alaska dog team, ill ..... 69
Logs: Port Blakeley Mill, Washington, ill ..... 285
London: War rallies in Trafalgar Square, ill ..... 194, 204
Louisiana water-thrush ..... text, 319 ill. (colored) 317
Love of liberty spreads in France ..... 248
Lumber carriers: Port Blakeley Mill, Washington, ill ..... 285
Lumbermen in Sequoia National Park, ill ..... 2-5, 7
Lumber mills at Seattle, Washington, ill ..... 136
Lyon, France: Hospital dining-room for wounded soldiers, ill ..... 433

M

McKinley, William: Monument, Buffalo, N. Y., ill. 250
Macedonian types, ill ..... 388
Macedonia: On the Monastir Road. By Herbert Corey ..... 383
Macedonia, Soldiers of the allies tread historic ground in ..... 383
Macgillivray warbler ..... text, 321; ill. (colored) 320
Machine-gun captured by the Serbs, ill ..... 411
Machinery, Sugar-making, ill ..... 144
Machines, Slicing: Fruits and vegetables, ill ..... 476
Mad dog among nations, A ..... 451
Madonnas of Many Lands, ill. (duotone insert), 549-564
Mageik, Mount: Alaska, ill ..... 30, 32
Magic words to conjure with ..... 521
Magnolia, The ..... text, 493; ill. (colored) 506
Magnolia warbler ..... text, 315; ill. (colored) 313
Malaria-bearing mosquito: Macedonia ..... 403
Malcolm, Ian, Member of the British Red Cross and of the House of Commons: The Needs Abroad ..... 427
Man valued at fifty dollars, A: Colonial America, 110
Map of British harbors ..... 85
Map, Outline: Proposed Mount McKinley National Park ..... 71
Map, Sketch: Katmai volcano and vicinity, Alaska. 23
Maps: Republics in 1776 and 1917, Distribution of ..... 242, 243
Map, U. S., showing the foreign stock in the population ..... 96
Marie Square, Petrograd, ill ..... 219
Mariposa or Sego lily ..... text, 498; ill. (color insert) 512
Market, Cotton: Jerusalem, ill. (color insert) ..... 256-273
Market day at Soubotsko, Macedonia, ill ..... 388, 390
Marne and Calais, Russia aids at the ..... 375

Page

Marne, Department of: French soldiers harvesting, ill. 280
Marriage at the Church of St. Jacques Du Haut Pas: Paris, ill. 426
Martin Volcano, or Mount Martin, Alaska 33
Martyrdom of John Huss: Bohemia 167
Martyrs, Unconquerable courage of: Belgium 437
Maryland yellow-throat....text, 304; ill. (colored) 305
Masaryk, Thos. G.: Bohemian statesman 183
Mascots, Serbian: Black and white sheep, ill. 411
Masks, Gas: Women munition workers, ill. 325
Masks, Gas: Worn by nurses, ill. 442
Meal ticket for Tommy Atkins, ill. 336
Meal-time for little Belgians, ill. 436
Melting-pot in operation, The, ill. 112
Men of note in modern Bohemia 181, 183
Metal helmets used by the French soldiers, ill. 339, 380
Meurthe, Department of, France: Women weaving brushwood screens, ill. 364
Meuse River: German guard, ill. 202
Mexican child and cactus plant, ill. (rotogravure insert) 146-163
Mexican mother, A patient, ill. (duotone insert) 559
Miami, Florida: Airplane and flying boats, ill. 284
Migration of warblers, The spectacular 298
Military hospital, Wounded soldier in: Toronto, ill. 431
Military Road, Georgian: Caucasus, ill. 229
Military tractor or airplane: Miami, Florida, ill. 284
Million dollars in gold, An exhibit of, ill. 471
Milwaukee, Wisconsin: Drawbridge, ill. 140
Miners, Coal: French women, ill. 332
Miners, Statesmen and armies helpless without 293
Minstrel of the Orient: Morocco, ill. (color insert) 256-273
Mischitch, Voivode: Serbian strategist, ill. 401
Missionaries at Ellis Island, ill. 123
Mistletoe, The....text, 499; ill. (colored) 514
Moccasin flower, The....text, 488; ill. (colored) 502
"Molina" or salmon-berries: Alaska..text, 15; ill., 24
Monastir Road, On the. By Herbert Corey 383
Monastir Road, Scene on, ill. 384
Mons, Belgium: At the bier of a city 435
Montenegrin immigrants: Ellis Island, ill. 113
Monuments: Petrograd, ill. 211, 219, 220, 224
Monument to McKinley: Buffalo, N. Y., ill. 250
Monument, Washington: Baltimore, Md., ill. 249
Moorish quarter of Tetuan, Morocco, ill. (color insert) 256-273
Moors, Throne room of the: Alhambra, ill. (color insert) 256-273
Moose are wary animals: Alaska 79
Morava division, The: Serbians..text, 387; ill., 393, 411
Morocco: Oriental scenes in, ill. (color insert) 256-273
Moscow, Russia: Scenes in city and suburbs, ill., 225, 230, 231, 233-235
Moselle, Department of, France: Women weaving brushwood screens, ill. 364
Mosquito, Malaria-bearing: Macedonia 403
Mosquito plains, Caribou avoid the: Alaska 77
Mothers and children of many lands, ill. (duotone insert) 549-564
Motorcycle, From the "hobby-horse" to the: Inventions 133
Mountaineer types, Montenegrin, ill. 117
Mountain laurel....text, 488; ill. (colored) 503
Mountains, Alaskan, ill. 30, 32, 48, 50, 52, 58, 61, 70, 72-74
Mountains, Macedonian 386, 387
Mt. Foraker, Alaska 72
Mt. Katmai volcano, Alaska....text, 13; ill., 48-50, 52-58, 60-62
Mt. McKinley, Alaska: Proposed National Park..text, 69, 71; ill., 70, 72, 74
Mt. Mageik, Alaska, ill. 30, 32
Mt. Vernon Place, Baltimore: Washington Monument, ill. 249
Mourning warbler....text, 321; ill. (colored) 320
Mud-flow: Katmai volcano, Alaska 63
Mud-plastered slopes, Climbing the: Katmai, Alaska 51
Mud, Terra-cotta red: Katmai district, Alaska 39
Muldrow Glacier, Alaska 73, 83
Mule litter, Wing-type: Wounded Serbian soldiers, ill. 391
Munition industry 338, 339
Munition workers, Women, ill.. 294, 322, 325, 326, 328
Musical instrument: Roumanian shepherd, ill. 117
Musicians and composers of Bohemia 183

N

Page

Napoleon I proclaimed Emperor of the French... 252
Napoleon's artillery victories 333
Nashville warbler....text, 311; ill. (colored) 312
Nathan Hale statue, New York City, ill. 290
National air, Learning the: American bluejackets and marines, ill. 354
National Congress: Russia 221
National Geographic Society's appropriation to save the Giant Forest 1
National Geographic Society's Mount Katmai Expeditions 1915 and 1916: The Valley of Ten Thousand Smokes. By Robert F. Griggs 13
National guardsman completely equipped, ill. 347
Naval chess, A game of 528
Naval militia bugler, ill. 346
Naval supremacy, Nothing without 525
Naval training station: Class in telegraphy, ill. 472
Naval training station: Newport, R. I., ill. 345, 348-355
NEEDS ABROAD, THE. BY IAN MALCOLM. 427
Nelson Day: Trafalgar Square, London, ill. 204
Nelson House: Yorktown, Va., ill. 534
Nelson monument lion: London, ill. 204
Nenana coal field: Alaska....text, 73; ill., 75
Nenana River: Alaska 69
Netherlands, The United 244
Neuilly, France: American Hospital, ill. 440
Newfoundlanders and Canadians in the U. S., Distribution of 109
New Guinea woman and baby, ill. (duotone insert) 557
Newport, The French fleet at 528
Newport, R. I.: Naval training station, ill. 345, 348-355
Newspapers and candles converted into fuel.... text, 568; ill., 568-570
New York City: A Red Cross Chapter, ill. 464
New York City: Boy scouts charging with flags, ill. 359
*New York*, U. S. S., ill. 356
NIAGARA AT THE BATTLE FRONT. BY WILLIAM JOSEPH SHOWALTER 413
Niagara Falls in summer and winter, ill.. 414-418, 421
Niagara shapes and hardens our shells 413
Nicholas I, Monument of: Petrograd, ill. 219
Night in Tetuan, Morocco, ill. (color insert) 256-273
Nile, Land of the, ill. (color insert) 256-273
Nippon: Japanese girls with babies on their backs, ill. (rotogravure insert) 146-163
Nizhni-Novgorod, Russia, ill. 227, 236, 237, 238
Norman arch: Slovak house, ill. 184
Norwegian immigrants: Ellis Island, ill. 104, 115
Norwegians in the U. S., Distribution of 108
Northern water-thrush....text, 319; ill. (colored) 317
Nuns and priests among the ruined buildings: Termonde, Belgium, ill. 430
Nurse, American, fed the starving at Brod 398
Nurses, Red Cross, ill. 327, 334, 402, 440, 442-444, 447, 462, 463

O

Oak, Abraham's: Hebron, Palestine, ill. 189
Oats and barley, Usefulness of 273
Ocean spray: U. S. S. *New York*, ill. 356
Ojibway Indians, ill. (rotogravure insert) 146-163
OLDEST FREE ASSEMBLIES, THE: ADDRESS IN THE U. S. HOUSE OF REPRESENTATIVES, MAY 5, 1917. BY RIGHT HON. ARTHUR J. BALFOUR 368
Old men in the fighting lines: Serbians 386
"Old woman of, Polok" 391
ONE HUNDRED BRITISH SEAPORTS 84
ON THE MONASTIR ROAD. BY HERBERT COREY 383
Orange blossom, The....text, 490; ill. (colored) 504
Orange-crowned warbler...text, 306; ill. (colored) 308
Oregon grape....text, 500; ill. (colored) 515
Oriental automobile: Donkey burden-bearer, ill. (color insert) 256-273
Oriental minstrel: Morocco, ill. (color insert). 256-273
Origin of warblers, Tropical 298
Ornaments, Gold and silver coins: Algerian dancers, ill. (colored insert) 256-273
Orphans, French war, ill. 424, 426, 455
Orphans, war, from Belgium, ill. 432, 434, 436
OUR ARMIES OF MERCY (U. S.). BY HENRY P. DAVISON 423
OUR BIG TREES SAVED 1
OUR FIRST ALLIANCE. BY J. J. JUSSERAND 518

Page

OUR FOREIGN-BORN CITIZENS ..... 95
OUR HERITAGE OF LIBERTY: AN ADDRESS BEFORE THE U. S. SENATE BY M. VIVIANI, PRESIDENT OF THE FRENCH COMMISSION TO THE UNITED STATES, MAY 1, 1917 ..... 365
Our Saviour, Cathedral of: Moscow, ill. ..... 231
OUR SECOND ALLIANCE. BY J. J. JUSSERAND ..... 565
OUR STATE FLOWERS: THE FLORAL EMBLEMS CHOSEN BY THE COMMONWEALTHS. BY THE EDITOR ..... 481
OUTSPEAKING OF A GREAT DEMOCRACY, THE: PROCEEDINGS OF THE CHAMBER OF DEPUTIES OF FRANCE ON FRIDAY, APRIL 6, 1917 ..... 362
Oven-bird ..... text, 304; ill. (colored) 305
Ox-carts on the Monastir road ..... ill., 384; text, 402
Ox-eye daisy, ill. (colored) ..... 512

P

Paintbrush, Indian (flower) ..... text, 500; ill. (colored) ..... 515
Palace of Hradčany, Royal: Prague, Bohemia, ill. ..... 166, 172
Palace of the Dukes of Alba: Seville, Spain, ill. (color insert) ..... 256-273
Palace, Winter: Petrograd, ill. ..... 222, 224
Palacký, František: Bohemian historian ..... 181
Paleontologist, Bohemian: Ant. Frič ..... 183
Palestine, Jerusalem: A garden and cotton market, ill. (color insert) ..... 256-273
Palestine, Scenes in, ill. ..... 189-192
Palm warbler ..... text, 319; ill. (colored) 317
Panama: Indian mother and babe, ill. (duotone insert) ..... 560
Panther skin: Kodiak, Alaska, ill. ..... 29
Papoose and mother of the Great Plains, ill. (duotone insert) ..... 554
Papoose and mother: Ojibway tribe of Indians, ill. (rotogravure insert) ..... 146-163
Parade: Patriotic celebration, New York City, ill. 361
Paris: Ambulance fleet in the Court of Honor, Hotel des Invalides, ill. ..... 454
Paris, American hospital at: Nurses, ill. ..... 444
Paris, French Red Cross dogs leaving, ill. ..... 469
Paris: Issuing food tickets to soldiers, ill. ..... 336
Paris: Marriage at the Church of St. Jacques Du Haut Pas, ill. ..... 426
Parula warbler ..... text, 310; ill. (colored) 312
Pasque flower, The ..... text, 449; ill. (colored) 514
Pasture land, Reserve sufficient ..... 277
"Path of Gold": A million dollars in gold, ill. .... 473
Pathological anatomy, Pioneer of: Karel Rokytanski ..... 183
Patio in the house of the Duke of Alba, ill. (color insert) ..... 256-273
Patriotic celebration, New York City: "Wake up America," ill. ..... 359, 361
Patriotic demonstration: Independence Square, Philadelphia, ill. ..... 292
Patriotism, Interpreting French ..... 323
Patriotism, War, and the Food Supply. By Frederick V. Coville ..... 254
Peach blossom, The ..... text, 494; ill. (colored) 507
Peasant, Bavarian, ill. ..... 102
Peasant children, Norwegian, ill. ..... 115
Peasant girl, Bohemian, ill. ..... 171
Peasants are sourly philosophic: Macedonia ..... 395
Peasants, Russian, ill. ..... 232, 238
Peasants, Slovak, ill. ..... 118, 168, 178, 184-186
Peasant types: Macedonia, ill. ..... 388
Peasant woman, Serbian, ill. ..... 105
Peasant women tried to churn condensed milk: Macedonia ..... 399
Peas, Cow-: Valuable for food ..... 275
People's associations: Russia ..... 223, 227
Perils attending bird migration ..... 301
Pershing, John J., Major General in U. S. Army: Stand by the Soldier ..... 457
Peterhof, Russia: Church of the Imperial Palace, ill. ..... 239
Petrograd, Dangers of a Teuton drive on ..... 382
Petrograd, Russia: Buildings and monuments, ill. 211, 218-220, 222, 224
Philadelphia: Independence Hall, ill. ..... 246, 253
Philadelphia patriotic demonstration, ill. ..... 292

Page

Philippine Islands: A boy headhunter, ill. (rotogravure insert) ..... 146-163
Philippines, Motherhood in the, ill. (duotone insert) ..... 562
Physical training school for soldiers: Vincennes, ill. ..... 340, 341
Physicians and scientists: Bohemia ..... 183
Pine cone and tassel ..... text, 495; ill. (colored) 510
Pine warbler ..... text, 318; ill. (colored) 316
Pittsburgh, Pennsylvania: Coal fleet, ill. ..... 142
Plumages of warblers ..... 302
Poem: "The Red Cross Spirit Speaks." By John H. Finley ..... 474
Poets, Bohemian ..... 183
POISONED WORLD, A. BY WILLIAM HOWARD TAFT ..... 459
Poland, Devastated. By Frederick Walcott ..... 445
Poland, Exodus from, ill. ..... 448
Polish Jews looking for a new home, ill. ..... 449
Pools of Solomon and ancient Khan, ill. ..... 191
"Pope," Greek, and open-air pulpit, ill. ..... 406
Poppy, Golden ..... text, 487; ill. (colored) 502
Porcelain for United States: Limoges, France, ill. 366
Port Blakeley mill, Puget Sound, Washington: Lumber carriers, ill. ..... 285
Postman, Russian village, ill. ..... 234
Post-office: Grafton Flyford, England, ill. ..... 86
Postyen, Bohemia: Sunday mass, ill. ..... 178
Potatoes and vegetables ..... 277
Pot-hunters' destructive toll: Alaska ..... 81
Poultry, Increase farm production of ..... 279
Powder Tower: Prague, Bohemia, ill. ..... 169
Power, British: Reasons for ..... 199
Prairie warbler ..... ill. (colored), 317; text, 319
Prague, Bohemia, ill. ..... 164, 166, 169, 170, 172, 173, 177, 180-182
Prague, University of: Founded 1348 ..... 167
Preparedness against the dynamite plotter ..... 420
Preparing for war, New York City clerks, ill. .... 358
Priests and nuns among the ruined buildings: Termonde, Belgium, ill. ..... 430
Priests, Greek Church: Blessing Russian soldiers, ill. ..... 214, 215
Printing press opposed by Governor Berkeley .... 110
Prisoners, Bulgarians: Monastir Road ..... 395
PRIZES FOR THE INVENTOR: SOME OF THE PROBLEMS AWAITING SOLUTION. BY ALEXANDER GRAHAM BELL ..... 131
Propeller, Screw: Josef Ressl, inventor ..... 183
Prussian capacity for sacrifice ..... 381
Public school: Prague, Bohemia, ill. ..... 180
Pulpit, Open-air, and Greek "Pope," ill. ..... 406
Pumice, Lumps of: Katmai volcano, Alaska, ill. .. 31
Punishment, Modes of: Rural England, ill. ..... 92
Purkinje: Founder of the first physiological institute in Germany ..... 183
"Purushkevitch Points": or Russia's Y. M. C. A. 228
Pyramid, Egyptian ..... ill. (color insert) 256-273

Q

Quicksand, Fording a mile of: Katmai district, Alaska ..... 35

R

Radium: Discovered by Madame Curie ..... 135
Raft, Log: San Diego harbor, ill. ..... 139
Railway car used as an army hospital, ill. ..... 443
Ration heaters, Making and using ..... text, 568; ill., 568, 570
Recruits, Naval: Newport Naval Training Station, ill. ..... 355
Red clover ..... ill. (colored), 516; text, 517
Red Cross aid to Russia, The vital importance of. 427
Red Cross Chapter: New York City, ill. ..... 464, 466
Red Cross needs beyond computation ..... 423
Red Cross nurses, ill. ..... 327, 334, 402, 440, 442-444, 447, 462, 463
"Red Cross Spirit Speaks, The" (poem). By John H. Finley ..... 474
RED CROSS SPIRIT, THE. BY ELIOT WADSWORTH ..... 467
Red Cross train, French, ill. ..... 334
Red Cross unit, Andover Academy: Off for France 458
Red Cross unit in Serbia: Belgrade mission, ill. ... 450
Red-faced warbler ..... text, 304; ill. (colored) 305
Red mud, A flow of: Katmai district, Alaska .... 39

Page

Red Square, Moscow, Russia, ill. 230
Redstart....text, 307; ill. (colored) 309
Refugees, Belgian: Inscribing their addresses along the way, ill. 438
Refugees, Macedonian, ill. 397, 404, 405
Refugees, Polish, ill. 448, 449
Refugees, war: Typical, ill. 376
Religious ceremony: Priest blessing Russian soldiers, ill. 214, 215
Religious ceremony: Slovaks at Postyen, ill. 178
Religious service, Y. M. C. A.: Army camp, ill. 470
Republics, Area covered by 240
Republics in 1776 and 1917, Map showing distribution of 242, 243
Republics that have failed 247
REPUBLICS—THE LADDER TO LIBERTY. BY DAVID JAYNE HILL 240
Reserves, Russian: Going to the front, ill. 372
Ressl, Josef: Inventor of the screw propeller 183
Restoration of self-government begun in Russia 216
Resurrection, Church of the: Petrograd 220
REVIVING A LOST ART 475
Revolution, American, and the French 518
Rhododendron....text, 500; ill. (colored) 516
Rifle grenade, The work of the 329
River, Crossing the: Katmai district, Alaska 41
River five miles wide and five inches deep: Katmai district, Alaska 24
River, Meuse, ill. 202
River, St. Mary's: Opening of navigation through the ice, ill. 276
River Vltava at Prague, Bohemia, ill. 180
Road menders of the Monastir road bossed by Germans 393
Road, Military: Caucasus, ill. 229
Road, On the Monastir. By Herbert Corey 383
Rochambeau—An ideal leader 524
Rochambeau, General, ill. 520
Rochambeau's headquarters in 1782: Williamsburg, Va., ill. 542
Rochambeau's warm heart and strict discipline 530
Rochambeau visits Jefferson 545
Rock, Floating: Pumice, Katmai Bay, Alaska, ill. 31
"Rock of St. Paul" in Saloniki, ill. 392
Rocks, Sedimentary: Alaska, ill. 73
Rokytanski, Karel: Pioneer of pathological anatomy 183
Romanoff, The first 216
Rope knotting and splicing: Naval training station, Newport, R. I., ill. 351
Roses....text, 492, 493; ill. (colored) 506
Roumanian immigrants: Ellis Island, ill. 117
Ruins at Termonde, Belgium, ill. 430
Ruins of Jerash, ill. 190
Rulers of Bohemia 167
Rules of war rigorously observed 522
Rural England, Scenes in, ill. 86-94
Russia aids at the Marne and Calais 375
Russia gives England and France opportunity to prepare 375
Russia, Importance of Red Cross aid to 427
"Russian America": Katmai Village, Alaska, ill. 25
Russian cavalry advancing into Austrian territory, ill. 212
Russian commander, General Leontieff in Macedonia, ill. 394
Russian front: Springless ambulances, ill. 451
Russian immigrants: Ellis Island, ill. 98, 102, 115, 124, 125, 130
Russian Outburst for Liberty, Our Natural Sympathy with the. By Senator John Sharp Williams 281
Russians and Finns in the United States, Distribution of 109
RUSSIAN SITUATION AND ITS SIGNIFICANCE TO AMERICA. BY STANLEY WASHBURN 371
Russian soldiers being blessed by priest, ill. 215
Russian troops awaiting a German attack, ill. 379
Russian wounded going to the rear, ill. 369
Russia: Petrograd's Monument of Fame, ill. 211
Russia, Scenes in, ill. 211, 218-220, 222, 224-227, 229-239
RUSSIA'S DEMOCRATS. BY MONTGOMERY SCHUYLER 210
Russia's elimination would mean, What 377
Russia's present leaders 223
Russia's strength 238
Russia's unpreparedness 373
Rye: Place of rye under present conditions 275

S

Page

St. Basil, Cathedral of: Moscow, ill. 230
St. Isaac's Cathedral: Petrograd, ill. 218, 219
St. Jacques Du Haut Pas, Church of, Paris: Marriage scene, ill. 426
St. Mary's River: Opening of navigation through the ice, ill. 276
St. Michael, Alaska: An educated bear, ill. 83
"St. Paul's Rock" in Saloniki, ill. 392
Sacrifice, A madonna of: Belgium, ill. (duotone insert) 551
Sacrifice, Prussian capacity for 381
Sagebrush, The....text, 488; ill. (colored) 503
Sahuaro or giant cactus....text, 498; ill. (colored) 513
Sailors' school: Naval training station, Newport, R. I., ill. 351
Sakulevo, Saloniki front: Army officers, ill. 390
Salmon-berries, Branch of: Kodiak, Alaska....text, 15; ill., 24
Saloniki, Scenes in, ill. 392, 396-398, 400, 403
Saluting the flag: New York City, ill. 361
Sand blast, The: Katmai district, Alaska....text, 17, 56; ill., 66
San Diego harbor: Log raft, ill. 139
San Francisco: Exhibit of twenty-dollar gold pieces, ill. 473
Saw, Cross-cut: Giant Forest, California, ill. 3
School, Commissary: Naval training station, Newport, R. I., ill. 352, 353
School for sailors: Naval training station, Newport, R. I., ill. 351
School, French war orphans', ill. 424, 428
School, Immigrant, ill. 112
Schoolmaster and boys: Moscow, Russia, ill. 235
School, Public: Prague, Bohemia, ill. 180
School, Vincennes physical training: For soldiers, ill. 340, 341
Schuyler, Montgomery: Russia's Democrats 210
Scientists and physicians: Bohemia 183
Scotch Highlanders packing a war kit, ill. 199
Scotch immigrants: Ellis Island, ill. 97, 126
Scotch immigrants in the United States, Distribution of 109
Screens, Brushwood, used i defense work: France, ill. 364
Screw propeller, inventor: Josef Ressl 183
Seaports, One Hundred British....text, 84; ill., 85
Sea-power, British 199
Searchlights, Automobile: Searching for Zeppelins, ill. 283
Seattle, Washington: Lumber mills, ill. 136
Secret Service, British 196
Sego lily, The....text, 498; ill. (colored) 512
Senate building: Petrograd, Russia, ill. 218
Sequoia National Park: Big trees....text, 1; ill., 2-11
Serbia, Belgrade mission of the Red Cross unit in, ill. 450
Serbian army in Macedonia 385
Serbian immigrants: Ellis Island, ill. 105, 128
Serbian soldiers on the Monastir road, ill. 386, 387, 390, 391, 393, 394, 401, 402, 408-412
Serbs' heroism in 1916 campaign 385
Seville, Spain: Patio in the Palace of the Dukes of Alba, ill. (color insert) 256-273
Sheep for stocking ranch: Alaska, ill. 22
Sheep, Great slaughter of: Alaska 81
Sheep, White bighorn: Mount McKinley Region, Alaska 77
Shell cases, Piling: France, ill. 337
Shells, A wonderful production of: French munition industry 338
Shells in munition factory, ill. 322, 326, 328
Shells shaped and hardened by Niagara water power 413
Shepherd types, Roumanian, ill. 117
Ships, British 84
Showalter, William Joseph: Niagara at the Battle Front 413
Shower bath erected by French soldiers, ill. 335
Siberian corps, Staff of the 5th, ill. 380
Siberian hides: Nizhni-Novgorod, Russia, ill. 227
Sicard, General: French army, ill. 401
Sicily: Street scene, ill. (rotogravure insert) 146-163
Simmonds, Miss Emily: American nurse at Brod, text, 398; ill., 402
Singing class, Open-air: Naval training station, Newport, R. I., ill. 354
Skin, Bear: Kodiak, Alaska, ill. 29
Skin, Panther: Kodiak, Alaska, ill. 29

Page

Skins, Goat: Used for carrying water in Palestine, ill. ..... 192
Skoda, Josef: Bohemian scientist ..... 183
Skyline, New York City, ill. ..... 98, 132
Slavery, The woes of: Belgium ..... 435
Slezák: Bohemian opera singer ..... 183
Slicing machines for fruits and vegetables, ill. ..... 476
Slide Mountain: Katmai, Alaska, ill. ..... 42
Slovak bride and groom, ill. ..... 168
Slovak immigrants: Ellis Island, ill. ..... 118
Slovaks and Czechs in Bohemia ..... 163
Slovaks at Postyen, Bohemia: Sunday mass, ill. ..... 178
Smetana, Bedřich: Bohemian composer ..... 183
Smokes, The Valley of Ten Thousand: Alaska. By Robert F. Griggs ..... 13
Snow bridge, Ash-covered: Katmai, Alaska, ill. ..... 54
Snow, Mud-covered: Katmai, Alaska, ill. ..... 55
Snow scene, California, ill. ..... 9
Snow scenes: Niagara Falls in winter, ill. ..... 418, 421
Snow-shoes, Six-foot Yukon: Alaska ..... 78, 80, 81
Soil, Soldiers of the. By David F. Houston ..... 273
"Soixante quinze": French cannon ..... 330, 337
Sokol Mountain, Macedonia, ill. ..... 387
Soldier bandaging a wounded war dog, ill. ..... 456
Soldier boiling his ration, ill. ..... 570
Soldier, Italian: Boy dressed in uniform, ill. ..... 121
Soldier of the Royal Guard, Greek: Ellis Island, ill. ..... 120
Soldiers behind the firing line: Industrial forces ..... 291
Soldiers: Colonial engineer corps in France, ill. ..... 200
Soldiers, Consumptive: Hospital, Bligny, France, ill. ..... 425
Soldiers, Defenders of Warsaw: ill. ..... 369
Soldier's grave in France, ill. (duotone insert) ..... 549
Soldiers of allies tread historic grounds in Macedonia ..... 383
SOLDIERS OF THE SOIL: OUR FOOD CROPS MUST BE GREATLY INCREASED. BY DAVID F. HOUSTON ..... 273
Soldiers: On the Monastir Road ..... 384, 386, 387, 389-391, 393, 394, 401, 408-412
Soldiers, Patient Continental: American Revolution ..... 539
Soldiers, Russian, ill. ..... 212, 215, 217, 369, 372, 374, 379, 394, 451
Soldiers, Scotch: Packing a kit, ill. ..... 199
Soldiers' shower bath: France, ill. ..... 335
Soldier, Stand by the. By John J. Pershing ..... 457
Soldiers, United States, and the Y. M. C. A., ill. ..... 470-472
Soldiers, United States: Sequoia National Park, ill. ..... 6
Soldiers, Warsaw defenders, ill. ..... 369
Solomon's pools, ill. ..... 191
Soluka Creek: Katmai, Alaska, ill. ..... 37, 38, 44
Somali mother and babe: Aden, ill. (duotone insert) ..... 558
Songsters, Warblers as ..... 298
Soubotsko, Macedonia: Market day, ill. ..... 388, 399
Soy-beans valuable for food ..... 275
Spadina military hospital, Toronto: A wounded Canadian, ill. ..... 431
Spain, Seville: Patio in palace of the Duke of Alba, ill. (color insert) ..... 256-273
Spanish gypsy girls, ill. (color insert) ..... 256-273
Spinning: Hungarian gypsy, ill. (duotone insert) ..... 563
Spirit of France, Unconquerable ..... 344
Spirit of the Red Cross. By Eliot Wadsworth ..... 467
STAND BY THE SOLDIER. BY MAJOR GENERAL JOHN J. PERSHING, U. S. ARMY ..... 457
Star Spangled Banner being taught to American bluejackets, ill. ..... 345
"Starvation a great force" ..... 450
State-flower movement started by New York ..... 485
State Flowers, Our. By the Editor ..... text, 481; ill. (colored) ..... 501-516
States and their floral emblems, Index to ..... 486
Statesmen and armies helpless without miners ..... 293
Statesmen, Bohemian ..... 183
Statue, Nathan Hale: New York City, ill. ..... 290
Statue of Liberty, New York harbor, ill. ..... 245
Steamer, Excursion: Milwaukee, Wisconsin, ill. ..... 140
Steamers, Freight: St. Mary's River, ill. ..... 276
Steam jets, Valleys full of: Katmai, Alaska ..... 66
Steel, High-speed: Niagara electrical laboratory ..... 419
Steel plant: Canada, ill. ..... 197
Steel, Vastness of the expenditure of: French munition factories ..... 339
Stock-raising: Alaska, ill. ..... 22

Page

Stocks and whipping-post: Rural England, ill. ..... 92
Strategist, Serbian: Voivode Mischitch, ill. ..... 401
Submarines, Prussian: Ineffective ..... 196
Sugar-making machinery, ill. ..... 144
Sun-dial house: Surrey, England, ill. ..... 93
Sunflower, The ..... text, 494; ill. (colored) 508
Surgeon, Great: Edward Albert ..... 183
Surgery, New miracles of: France ..... 341
Surgical dressing-room, U. S. Army railway car, ill. ..... 443
Surrey, England: Sun-dial house, ill. ..... 93
Swedes in the United States, Distribution of ..... 108
Swedish children drawing pictures, ill. (rotogravure insert) ..... 146-163
Swiss criminologist in Serbia, ill. ..... 390
Swiss Republic is very old ..... 244
Switzerland: A mother and child in the mountains, ill. (duotone insert) ..... 550
Synchronized fire of 400 guns: France ..... 336
Syringa, The (flower) ..... text, 490; ill. (colored) 505

T

Taft, Ex-President William H. and son, ill. ..... 468
Taft, William Howard, Ex-President of the United States: A Poisoned World ..... 459
Tangier, Morocco: An Oriental minstrel, ill. (color insert) ..... 256-273
Tannery in Hebron, ill. ..... 192
Tatar curse, The ..... 213
Tea, Afternoon: Russian, ill. ..... 217, 226
Tea; unspeakable quantities are drunk ..... 533
Teklanika and Toklat rivers, Alaska ..... 71
Telegraphy, Class in: Naval training station, ill. ..... 472
Telephony, Class in: U. S. Army, ill. ..... 357
Tennessee warbler ..... text, 310; ill. (colored) 312
Tents, Refugee; near Saloniki, ill. ..... 397
Termonde, Belgium: Priests and nuns among the ruined buildings, ill. ..... 430
Tetuan, Morocco: Moorish quarter, ill. (color insert) ..... 256-273
Teuton drive on Petrograd, Dangers of ..... 382
Teuton influences in Russia ..... 371
Texas bluebonnet, The ..... text, 497; ill. (colored) 512
THEIR MONUMENT IS IN OUR HEARTS: ADDRESS BEFORE THE TOMB OF WASHINGTON, APRIL 29, 1917. BY M. VIVIANI. 367
Thermos-bottle idea applied to water tank ..... 141
Throne room of the Moors: Alhambra, ill. (color insert) ..... 256-273
TIES THAT BIND, THE: OUR NATURAL SYMPATHY WITH ENGLISH TRADITIONS, THE FRENCH REPUBLIC AND THE RUSSIAN OUTBURST FOR LIBERTY. BY SENATOR JOHN SHARP WILLIAMS ..... 281
Toklat and Teklanika rivers, Alaska ..... 71
Tombstone to a trout: England, ill. ..... 91
Toronto, Spadina military hospital: wounded soldier, ill. ..... 431
Tower, Bridge: Prague, Bohemia, ill. ..... 173
Tower, Powder: Prague, Bohemia, ill. ..... 169
Towers of Prague, Bohemia, ill. ..... 169, 173, 181
Town Hall, Old: Prague, Bohemia, ill. ..... 164
Trafalgar Square, London: War rally, ill. ..... 194, 204
Train, French Red Cross ..... 334
Trapper's camp: Alaska ..... 80, 81
Trays, Drying: Fruits and vegetables, ill. ..... 476-479
Tree: Abraham's oak near Hebron, ill. ..... 189
Trees, Big: Sequoia National Park ..... text, 1; ill., 2-11
Trees, Mt. McKinley region, Alaska ..... 82
Trenches, Rear-guard: In the Russian retreat, ill. ..... 370, 379
Trenches, The test of the ..... 325
TRIBUTE TO AMERICA, A. BY HERBERT HENRY ASQUITH ..... 295
Trident, A second new volcano: Alaska ..... text, 41; ill., 65
Tropical origin of warblers ..... 298
Trucks, Convoy of: near Verdun, ill. ..... 453
Trumpet vine, The ..... text, 495; ill. (colored) 509
Tule Indians of San Blas coast of Panama, ill. (duotone insert) ..... 560
Turban: Hindu immigrant, Ellis Island, ill. ..... 129
Turkey-in-Asia: A citizen of Bagdad, ill. ..... 188
Turkish cannon in Russian monument, ill. ..... 211
Turkish fountain, An old: Saloniki, ill. ..... 400
Turkish immigrant: Ellis Island, ill. ..... 106
Týn Church of Prague, Bohemia, ill. ..... 177

U


Page

U-boats, German: Ineffective..... 196
Uniform, Italian soldier: Boy dressed in uniform, ill..... 121
Uniform of National Guardsman, ill..... 347
Uniform of Naval Militia bugler, ill..... 346
United States:
Arizona: State flower..text, 498; ill. (colored) 513
Arkansas: State flower.text, 487; ill. (colored) 501
Army: Class in telephony, ill..... 357
Army hospital railway car, ill..... 443
Bluejackets, ill..... 345, 346, 350, 354, 472
Bohemians in the United States..... 183
California: Log raft in San Diego harbor, ill. 139
California, San Francisco: Exhibit of gold, ill. 473
California, Sequoia National Park.text, 1; ill. 2-11
California: State flower.....text, 487; ill. (colored) 502
Cavalry troop in Sequoia National Park, ill.. 6
Colorado: State flower..text, 489; ill. (colored) 503
Connecticut: State flower.....text, 488; ill. (colored) 503
Delaware: State flower, text, 494; ill. (colored) 507
Florida, Miami: Airplane and flying boats, ill. 284
Florida: State flower...text, 490; ill. (colored) 504
Geological Survey map of proposed Mount McKinley National Park..... 71
Georgia: State flower, text..... 492
Great Lakes: Opening of navigation through the ice, ill..... 276
Idaho: State flower....text, 490; ill. (colored) 505
Illinois: State flower...text, 491; ill. (colored) 505
Immigrants, Distribution of..... 108, 109
Immigrants, Our Foreign-born Citizens..... 95
Indiana: State flower...text, 494; ill. (colored) 510
Iowa: State flower.....text, 492; ill. (colored) 506
Kansas: State flower...text, 494; ill. (colored) 508
Kentucky: State flower, text, 495; ill. (colored) 509
Louisiana: State flower.....text, 493; ill. (colored) 506
Maine: State flower....text, 495; ill. (colored) 510
Map showing foreign stock in the U. S. population..... 96
Maryland, Baltimore: Washington monument, ill..... 249
Michigan: State flower, text, 487; ill. (colored) 501
Minnesota Indians, ill. (rotogravure insert) 146-163
Minnesota: State flower.....text, 488; ill. (colored) 502
Mississippi: State flower.....text, 493; ill. (colored) 506
Montana clover field, ill..... 567
Montana: State flower..text, 489; ill. (colored) 504
National Parks..... 1, 69
Naval Training Station: Newport, R. I., ill. 345, 348-355
Nebraska: State flower, text, 496; ill. (colored) 511
Nevada: State flower..text, 488; ill. (colored) 503
New Mexico: State flower.....text, 498; ill. (colored) 513
New York, Buffalo: Scenes in, ill..... 250, 274
New York City scenes..... 98, 132, 245, 290, 358, 359, 361, 464, 566
New York, Gardiner's Island: Young fish-hawks, ill..... 303
New York: State flower, text..... 492
NIAGARA AT THE BATTLE FRONT. BY WILLIAM JOSEPH SHOWALTER..... 413
North Carolina: State flower.....text, 497; ill. (colored) 512
North Dakota: State flower, text..... 493
Ohio, Cleveland: Bridges, ill..... 134
Ohio: State flower.....text, 494; ill. (colored) 507
Oklahoma: State flower.....text, 499; ill. (colored) 514
Oregon: State flower...text, 500; ill. (colored) 515
Pennsylvania, A boy of, ill. (rotogravure insert) 146-163
Pennsylvania, Philadelphia: Scenes.. 246, 253, 292
Pennsylvania, Pittsburgh: Coal fleet, ill..... 142
Rhode Island, Newport: Naval training station, ill..... 345, 348-355
Rhode Island: State flower.....text, 491; ill. (colored) 505
South Dakota: State flower.....text, 499; ill. (colored) 514
Texas: State flower....text, 497; ill. (colored) 512
U. S. battleship ablaze in mid-ocean, ill..... 360

Page

United States:
U. S. debt to England..... 281
U. S. influence incalculable..... 252
United States may prolong the war, How the. 381
U. S. S. *Constellation:* Newport, R. I., ill.... 348
U. S. S. *New York:* Ocean spray, ill..... 356
Utah: State flower.....text, 498; ill. (colored) 512
Vermont: State flower..text, 517; ill. (colored) 516
Virginia, Williamsburg: William and Mary College, ill..... 542
Virginia, Yorktown: Scenes.....text, 543; ill., 534, 538, 546
Washington, Port Blakeley mills: Lumber carriers, ill..... 285
Washington, Seattle: Lumber mills, ill..... 136
Washington: State flower, text..... 500
West Virginia: State flower.....text, 500; ill. (colored) 516
Wisconsin, Milwaukee: Drawbridge, ill..... 140
Wisconsin: State flower.....text, 491; ill. (colored) 505
Wyoming: State flower.....text, 500; ill. (colored) 515
"United we stand, divided we fall": W. H. Taft and son, ill..... 468
University of Prague: Founded 1348..... 167
Unpreparedness of Russia..... 373


V


Valley of Death, An awe-inspiring: Katmai district, Alaska..... 37
Valley of Ten Thousand Smokes, The: National Geographic Society Explorations in the Katmai District of Alaska. By Robert F. Griggs, Director..... 13
Valley of Ten Thousand Smokes: Alaska, ill. 62, 63, 64
Valley of Ten Thousand Smokes, An interpretation of..... 67
Vegetables and fruits: Drying methods text, 475, 480; ill., 476-479, 481
Vegetables and potatoes..... 277
Vegetables: Drying practice revived..... 277
Vegetables, Increase farm production of..... 279
Vegetarians, Russian: Immigrants, ill..... 98, 102
Venezuelan boy and donkey, ill. (rotogravure insert) 146-163
Venice as a republic..... 241
Vents, Character of the: Katmai, Alaska..... 65
Verdun, Convoy of trucks near, ill..... 453
Verdun, French reserves on way to, ill..... 338
"Verdun" of the Russian line: Fortification at Lodz..... 446
Versailles, Flemish war orphans at, ill..... 434
Vetternik Mountain, Serbians on..... 387
Victory, Thousand needs for..... 289
Village life, Russia, ill..... 226, 227, 232-234, 236
Ville D'Array, France: War orphans at dinner, ill. 428
Vincennes: Physical training school for soldiers, ill..... 340, 341
Vine, Trumpet.....text, 495; ill. (colored) 509
Violet, The.....text, 491; ill. (colored) 505
Vitreolic lake, A: Alaska..... 54
Viviani, M., President of the French Commission to the United States, May 1, 1917: Our Heritage of Liberty..... 365
Viviani, M.: Their Monument is in Our Hearts, An address before the tomb of Washington, April 29, 1917..... 367
Vodka, Abolition of: Russia..... 226
Volcanoes, Alaska, ill.. 30, 48-50, 52-58, 60-62, 64, 65
Volcanoes, First view of the: Katmai district, Alaska..... 31
Volcanoes, Two more new: Katmai, Alaska..... 66
Volcano, Mount Katmai: Alaska.....text, 13; ill., 48-50, 52-58, 60-62
Volcano named for Dr. George C. Martin: Alaska 33
Volcano, Three-peaked: Katmai district, Alaska.. text, 41; ill., 30, 65
Vrchlický, Jaroslav: Bohemian poet..... 183


W


Wadsworth, Eliot: The Red Cross Spirit..... 467
Walcott, Frederick: Devastated Poland..... 445
Wallachian immigrants: Ellis Island, ill..... 104
Wandering in Macedonia has a sporting flavor... 385

Page

Warblers as songsters ... 298
Warblers: Friends of Our Forests. By Henry W. Henshaw ... 297
Warblers, North American, ill. (color insert) ... 305-320
War-bride: Paris, ill ... 426
War chemistry: Niagara electrical laboratory ... 413
War Council of the American Red Cross, ill ... 461
War Council of American Red Cross Society, Addresses before the ... 423
War dog: Bandaging a wounded war dog, ill ... 456
Warehouses, Health Service: France, ill ... 333
War finances, Britain's ... 203
War lessons ... 209
War-loan rally, Trafalgar Square, London, ill ... 194
War machine, German: Reasons for its strength ... 380
Warm hearts of the North: Lapland mother and babies, ill. (duotone insert) ... 556
War orphans, French, ill ... 424, 428, 455
War orphans from Belgium, ill ... 432, 434, 436
WAR, PATRIOTISM, AND THE FOOD SUPPLY. BY FREDERICK V. COVILLE ... 254
War refugees relating their experiences, ill ... 376
Warriors, A mother of: Japan, ill. (duotone insert) 553
War rules of honor rigorously observed ... 522
War's awful cost to France ... 327
Warsaw, Types of men who defended, ill ... 369, 380
War's end not at hand ... 378
Wars, Hussite: Bohemia ... 167
War's outcome, No doubt as to the ... 382
War's relation to immigration, The ... 106
War's true hero ... 324
War-time fire-fighters, English women, ill ... 296
War-wasted communities' crying needs ... 425
Washburn, Stanley: The Russian Situation and its Significance to America ... 371
Washington (George) was English ... 282
Washington given the honors of Marshal in the French Army ... 526
Washington Monument: Baltimore, Md., ill ... 249
Washington's ideals, Fighting for ... 367
Waterfalls: Niagara, N. Y., text, 413; ill., 414-418, 421
Water front at Kodiak, Alaska, ill ... 12
Water power: Niagara Falls and electrical laboratory ... text, 413; ill., 414-418, 421
Water purification: Niagara electrical laboratory. 422
Water-thrush, Louisiana ... text, 319; ill. (colored) 317
Water-thrush, Northern ... text, 319; ill. (colored) 317
Water vapor in the human breath, Condensing ... 137
Welsh immigrants in the United States, Distributions of ... 109
Whale-back type steamer, ill ... 140
WHAT GREAT BRITAIN IS DOING. BY SYDNEY BROOKS ... 193
Wheat, Condition of our winter: April 7, 1917 ... 273
Wheat-market analogy, A ... 381
Whipping-post and stocks: Rural England, ill ... 92
Why the German war machine is strong ... 380
Wild roses ... text, 492, 493; ill. (colored) 506
William and Mary College, Williamsburg, Va., ill. 542

Page

Williams, Senator John Sharp: The Ties that Bind 281
Williamsburg, Va.: William and Mary College, ill. 542
Wilson's warbler ... text, 314; ill. (colored) 320
Wilson, Woodrow, President of the United States: Do Your Bit for America ... 289
Wing-type mule litter with wounded Serbian soldiers, ill ... 391
Winter palace: Petrograd, ill ... 222, 224
Wireless telegraphy: Inventions ... 135
Woes of slavery, The: Belgium ... 435
Women as war-time fire-figuters: England, ill ... 296
Women car conductors: France, ill ... 331
Women, Heroism of the French ... 343
Women in the coal mines of Gard, France, ill ... 332
Women munition workers, ill ... 294, 322, 325, 326, 328
Women return at night to their abandoned homes: Macedonia ... 395
Women's Peninsula, Alaska, ill ... 17
Women weaving brushwood screens for French army, ill ... 364
Women, Wonderful feats made possible by: Great Britain ... 205
Wood warblers, Haunts of ... 298
Worcestershire, England, ill ... 86, 88-92, 94
World, A Poisoned. By William Howard Taft ... 459
Worm-eating warbler ... text, 306; ill. (colored) 308
Wounded going to the ambulance, ill ... 460
Wounded soldiers bound for Paris, ill ... 334
Wounded soldiers in Lyon hospital dining-room, ill ... 433
Wounded soldiers in Russian peasants' cart, ill ... 369
Wycliffe encouraged the Czechs ... 176

X

X-ray tent in a base hospital of the Red Cross, ill. 469

Y

Yellow-breasted chat ... text, 304; ill. (colored) 305
Yellow palm warbler ... text, 319; ill. (colored) 317
Yellow warbler ... text, 307; ill. (colored) 309
Yeoman's school, Naval training station: Newport, R. I., ill ... 350
Yorktown, Va.: Cornwallis' surrender, ill ... 546
Yorktown, Va.: In front of the Thomas Nelson house, ill ... 534
Yorktown, Va.: The main street, ill ... 538
Y. M. C. A. in the army, ill ... 470-472
Y. M. C. A. of Russia: "Purushkevitch Points" ... 228
Ypres, Belgium: Photographed from a flying machine, ill ... 337

Z

Zemstvo committees: Russia ... 223

VOLUME XXXII

JULY–DEC., 1917

# THE NATIONAL GEOGRAPHIC MAGAZINE

## INDEX

July to December, 1917

VOLUME XXXII

PUBLISHED BY THE
NATIONAL GEOGRAPHIC SOCIETY
HUBBARD MEMORIAL HALL
WASHINGTON, D.C.

$2.50 A YEAR

COPYRIGHT, 1917

# NATIONAL GEOGRAPHIC SOCIETY

HUBBARD MEMORIAL HALL

SIXTEENTH AND M STREETS, WASHINGTON, D. C.


O. H. TITTMANN . . . PRESIDENT
GILBERT H. GROSVENOR, DIRECTOR AND EDITOR
JOHN OLIVER LA GORCE . ASSOCIATE EDITOR
O. P. AUSTIN . . . . SECRETARY
JOHN E. PILLSBURY . VICE-PRESIDENT
JOHN JOY EDSON . . . . TREASURER
GEORGE W. HUTCHISON, ASSISTANT SECRETARY
WILLIAM J. SHOWALTER . ASSISTANT EDITOR
RALPH A. GRAVES . ASSISTANT EDITOR

## BOARD OF MANAGERS

**1916-1918**

FRANKLIN K. LANE
Secretary of the Interior

HENRY F. BLOUNT
Vice President American Security and Trust Company

C. M. CHESTER
Rear Admiral U. S. Navy, Formerly Supt. U. S. Naval Observatory

FREDERICK V. COVILLE
Formerly President of Washington Academy of Sciences

JOHN E. PILLSBURY
Rear Admiral U. S. Navy, Formerly Chief Bureau of Navigation

RUDOLPH KAUFFMANN
Managing Editor The Evening Star

T. L. MACDONALD
M. D., F. A. C. S.

S. N. D. NORTH
Formerly Director U. S. Bureau of Census

**1917-1919**

ALEXANDER GRAHAM BELL
Inventor of the telephone

J. HOWARD GORE
Prof. Emeritus Mathematics, The George Washington University

A. W. GREELY
Arctic Explorer, Major Gen'l U. S. Army

GILBERT H. GROSVENOR
Editor of National Geographic Magazine

GEORGE OTIS SMITH
Director of U. S. Geological Survey

O. H. TITTMANN
Formerly Superintendent of U. S. Coast and Geodetic Survey

HENRY WHITE
Formerly U. S. Ambassador to France, Italy, etc.

JOHN M. WILSON
Brigadier General U. S. Army, Formerly Chief of Engineers

**1918-1920**

CHARLES J. BELL
President American Security and Trust Company

JOHN JOY EDSON
President Washington Loan & Trust Company

DAVID FAIRCHILD
In Charge of Agricultural Explorations, Department of Agriculture

C. HART MERRIAM
Member National Academy of Sciences

O. P. AUSTIN
Statistician

GEORGE R. PUTNAM
Commissioner U. S. Bureau of Lighthouses

GEORGE SHIRAS, 3D
Formerly Member U. S. Congress, Faunal Naturalist, and Wild-Game Photographer

GRANT SQUIRES
New York


To carry out the purpose for which it was founded twenty-eight years ago, namely, "the increase and diffusion of geographic knowledge," the National Geographic Society publishes this Magazine. All receipts from the publication are invested in the Magazine itself or expended directly to promote geographic knowledge and the study of geography. Articles or photographs from members of the Society, or other friends, are desired. For material that the Society can use, adequate remuneration is made. Contributions should be accompanied by an addressed return envelope and postage, and be addressed:

GILBERT H. GROSVENOR, EDITOR


**CONTRIBUTING EDITORS**

A. W. GREELY
C. HART MERRIAM
O. H. TITTMANN
ROBERT HOLLISTER CHAPMAN
WALTER T. SWINGLE
ALEXANDER GRAHAM BELL
DAVID FAIRCHILD
HUGH M. SMITH
N. H. DARTON
FRANK M. CHAPMAN


Copyright, 1918, by National Geographic Society, Washington, D. C. All rights reserved.

# CONTENTS


| | Page |
|---|---|
| America's New Soldier Cities: The Geographical and Historical Environment of the National Army Cantonments and National Guard Camps. By William Joseph Showalter | 439 |
| Conserving the Nation's Man Power: Disease Weakens Armies, Cripples Industry, Reduces Production. How the Government is Sanitating the Civil Zones Around Cantonment Areas. A Nation-wide Campaign for Health. By Rupert Blue, Surgeon General, U. S. Public Health Service | 255 |
| Correct Display of the Stars and Stripes, The | 404 |
| Fearful Famines of the Past: History Will Repeat Itself Unless the American People Conserve Their Resources. By Ralph A. Graves | 69 |
| Few Glimpses into Russia, A. By Lieut. Zinovi Pechkoff | 238 |
| Flags Famous in American History | 341 |
| Flags of Austria-Hungary, Bulgaria, Germany, and Turkey | 386 |
| Flags of Europe, Asia, and Africa, The | 372 |
| Flags of Our Army, Navy, and Government Departments | 305 |
| Flags of Pan-America, The | 361 |
| Flags of the British Empire, The | 378 |
| "Flower of Paradise, The": The Part Which Khat Plays in the Life of the Yemen Arab. By Charles Moser, Formerly American Consul, Aden, Arabia | 173 |
| Food Armies of Liberty, The. By Herbert Hoover | 187 |
| French Lorraine, In: That Part of France Where the First American Soldiers Have Fallen. By Harriet Chalmers Adams | 499 |
| From the Trenches to Versailles. By Carolyn Corey | 535 |
| Geography of Medicines, The: War's Effects upon the World's Sources of Supply. By John Foote, M. D. | 213 |
| Heroic Flags of the Middle Ages: The Geography of the Earth as Known in Medieval Times Symbolized in 96 Historic Standards | 388 |
| Immediate Necessity of Military Highways. By A. G. Batchelder, Executive Chairman, American Automobile Association | 477 |
| Industry's Greatest Asset—Steel. By William Joseph Showalter | 121 |
| Insignia of the Uniformed Forces of the United States, The | 413 |
| Letters from the Italian Front. By Marchesa Louise de Rosales to Ethel Mather Bagg | 47 |
| Makers of the Flag, The. By Franklin K. Lane, Secretary of the Interior | 304 |
| Mecca the Mystic: A New Kingdom within Arabia. By Dr. S. M. Zwemer | 157 |
| Our Flag Number. By Byron McCandless, Lieutenant-Commander, U. S. Navy, and Gilbert Grosvenor, Editor, National Geographic Magazine | 281 |
| Our State Flags | 325 |
| Pennants of Patriotism 200 Years Ago | 399 |
| Rat Pest, The: The Labor of 200,000 Men in the United States Required to Support Rats, Man's Most Destructive and Dangerous Enemy. By Edward W. Nelson, Chief of the U. S. Biological Survey | 1 |
| Russia from Within: Her War of Yesterday, Today, and Tomorrow. By Stanley Washburn, for Three Years Special Correspondent with the Russian Armies | 91 |
| Russia's Man of the Hour: Alexander Kerensky's First Speeches and Proclamations | 24 |
| Story of the American Flag, The | 286 |
| Training the New Armies of Liberty: Camp Lee, Virginia's Home for the National Army. By Major Granville Fortescue, U. S. A. | 421 |
| Weapon of Food, The. By Herbert Hoover | 197 |

WASHINGTON, D. C.
PRESS OF JUDD & DETWEILER, INC.
1917

# INDEX FOR VOLUME XXXII (JULY-DECEMBER), 1917

AN ALPHABETICALLY ARRANGED INDEX — ENTRIES IN CAPITALS REFER TO ARTICLES


"A"

Page

Abd-el-Latif, a learned Bagdad physician, Writings of ... 79
Abdication of Nicholas II of Russia ... 99
Aberfoyle, Scotland: Awaking the slacker, ill. (rotogravure insert) ... 518-535
Abyssinian army ... 372
Acorn bread eaten during a famine; Russia ... 89
Adamello Mountain, Italian soldiers advancing, ill. ... 58, 59
Adams, Harriet Chalmers. In French Lorraine ... 499
Aden, Tanks of: Arabia, ill ... 160, 164,
Aërial tramways in the Alps, ill ... 51, 55, 66
Aëroplane, the submarine and castor oil ... 219
Afghanistan to India, Caravan journeying from, ill. ... 226
Africa, Flags of Europe, Asia, and ... text, 372; ill. (colored), 354, 355, 358
Ahala, Servilius, kills Spurius Maelius ... 71
Alamo, Siege of the ... 465
Alexandria, La.: Camp Beauregard ... 472
Allies' needs and America's resources ... 90
"Allies": Scotch Highlanders with bagpipes, ill ... 513
Allies' undying gratitude earned by Russia ... 93
Aloes: Singapore ... 220
Alpine troops clad in white, advancing across a glacier, ill ... 58, 59
Alpini on the Dolomites, The ... 67
Alps, Italian soldiers in the ... text, 61; ill., 46, 48-56, 58-62, 64-66
Alsace, Girls of, ill ... 508, 518
Altar of snow: Open-air religious services in the Alps, ill ... 53
Alvarado, Don Pedro de: Conquered Guatemala in 1525 ... 361
Ambulance drivers: Morristown, N. J., ill ... 428
America alone can defeat man's third foe—famine 69
America among the first to aid the Irish ... 86
American ambulance corps, Leland Stanford University students, ill ... 300
American flag's first victory ... 292
American Flag, The Story of the ... 286
American History, Flags Famous in ... text, 341; ill. (colored), 338, 339, 342
Americanism, Developing real: National Army ... 436
Americanization day in New York, ill ... 409
American literature translated in Russian ... 249
American Mission to Russia, ill ... 92, 94, 95, 105, 116, 252
American munition factories, Women workers in, ill. ... 136
American newspaper correspondent addressing Russian troops, ill ... 34
American sailors, Italian canteen in American church entertains ... 65
Americans must eat the kind of food that cannot be exported ... 191
American Soldiers Have Fallen, That Part of France Where. By Harriet Chalmers Adams ... 499
American steel industry, Size of the ... 156
American troops, The chasseurs who are training 517
America's mental yardstick ... 93
AMERICA'S NEW SOLDIER CITIES: THE GEOGRAPHICAL AND HISTORICAL ENVIRONMENT OF THE NATIONAL CANTONMENTS AND NATIONAL GUARD CAMPS. BY WILLIAM JOSEPH SHOWALTER ... 439
America's resources and the Allies' needs ... 90
America's task—banish famine ... 90
America was christened, Shrine where: France ... 518
Angel defied the Hun, ill ... 514
Animal products export, United States: Pre-war ... 189
Animals: Bears, ill. (supplement) ... 91
Annie Laurie, A modern: Scotland, ill. (rotogravure insert) ... 518-535
Anniston, Ala.: Camp McClellan ... 470
Antigua, W. I.: Law passed against rats ... 15
Ants as big as cats, Gold-mining ... 394
Apollo, Grotto of: Versailles, France ... text, 543; ill., 550
Aprons, Embroidered: Russian peasants, ill ... 85
Apulia, Roman province visited by famine ... 75
Arabia, A New Kingdom within: Mecca the Mystic. By Dr. S. M. Zwemer ... 157
Arabian scenes, ill ... 158-162, 164-170, 172, 174-178, 180, 182-184, 215, 217
Arabia outline map ... 181
Arabia: The Part Which Khat Plays in the Life of the Yemen Arab. By Charles Moser ... 173
Arabia, Three wise men of, ill ... 182
Arab outcasts or "Khadem," ill ... 180
Arctic cold in the Alps: Italian front ... 61
Argentina: Consecration of the flag in Mendoza City, 1817 ... 357
Aristocrats of the dog world: Russian wolfhounds, ill. ... 242
Arlington drug gardens ... 234
Armies of Liberty, The Food. By Herbert Hoover 187
Armies of Liberty, Training the New: Camp Lee, Virginia's Home for the National Army. By Major Granville Fortescue ... 421
Armies, Rats march like ... 4
Armored car on the Texas border, ill ... 479
Army, Abyssinian ... 372
Army, Navy, and Government Departments, Flags of Our ... text, 305; ill. (colored), 310, 311, 314, 315, 318, 319, 322
Artillery observatory in the Dolomites, ill ... 49, 54, 56, 62
Artillery, Russian, on the road, ill ... 40
Asafœtida gum ... 214
Ashtabula, Ohio; Loading ore cars, ill ... 141
Asia, Flags of Europe, Africa, and ... text, 372; ill. (colored), 354, 355, 358
Aspirin, a rose by another name ... 229
Astronomer, A cobbler: Russia ... 247
Atlanta, Ga.: Camp Gordon ... 452
Attitude of the average Russian toward the war ... 97
Auction, Khat: Arabia ... ill., 174, 176; text, 182
Augusta, Ga.: Camp Hancock ... 469
Augustus Cæsar, one of the earliest chiefs of systematic famine relief work ... 72
Auriflamme, Banner of St. Denis ... 356
Australia, Incredible number of rats in ... 10
Austria-Hungary, Flags of ... ill. (colored), 367; text, 386
Austria-Hungary: Russian advances in Bukovina and Galicia ... 93
Austrian royalty, Shrine of: French Lorraine ... 504
Australia's flags ... ill. (colored), 363; text, 383
Authors, American, beloved in Russia ... 249
Authors, Russian ... 251
Automobile highway, ill ... 478
Automobiles: Ambulances and drivers, ill ... 428
Automobile trucks on the Texas border, ill ... 479
Averesco, General: Commander-in-chief of the Roumanian army, ill ... 120
Aviation training schools, Government's, ill ... 424
Awaking the slacker: Scotland, ill. (rotogravure insert) ... 518-535
Ayer, Mass.: Camp Devens ... 446

"B"

"Babes in the Wood": Bears, ill. (supplement) ... 91
Babies eaten for food during a famine ... 79, 82
Bachelor, William: Color-bearer, American Revolution ... 352
Bacteriological examination of rodent carcasses: New Orleans, ill ... 6
Bagdad physician, Abd-el-Latif, a learned ... 79
Bagpipes, Scotch Highlanders playing, ill ... 513
Bahama Islands, First expedition against New Providence: 1776 ... 292
Bailey, Joseph: Lieut. Colonel, Civil War ... 472
Bakery's capacity, 80,000 pounds of bread a day: One camp ... 443
Baled hay protected from rats, ill ... 19
Balmont, Constantine: Russian poet ... 249
Banjo, Soldier playing a, ill ... 458
Bankhead, Senator J. H.: Federal-aid Road Act ... 487
Barbadoes: Law against rats ... 15
Barbed-wire entanglements, Italian trenches, ill ... 46
Bark for medicinal uses: China, ill ... 227, 233

Page

Bark of trees used for food during a Russian famine ... 89
Baskets of drugs, Java, ill. ... 219
Batavia—the ancient Queen of the East ... 237
Batchelder, A. G.: The Immediate Necessity of Military Highways ... 477
Bathing, Boy in: Ceylon, ill. ... 224
"Battalion of Death": Russian women soldiers, ill., 97, 98, 102
Battle Creek, Mich.: Camp Custer ... 459
Battle grounds of early Islamic days ... 171
Battle of Bennington, Vt.: Flag ... 348
Battle of Lake Erie and Oliver Hazard Perry ... 344
Battle of Lorraine ... 517
Battle of Nancy: France ... 515
Battles, Gallery of: Royal Palace, Versailles, France, ill. ... 541
Battleship, Constructing a, ill. ... 152
Battleships, United States, ill. ... 282, 283, 287, 294, 295, 296, 405
Bayonet drill, Soldiers practicing, ill. ... 454, 466
Bazaar, Shrine in a: Petrograd, ill. ... 45
Bears: "Babes in the Wood," ill. (supplement) ... 91
Beaumont, John: English author ... 399
Beauregard, Camp: Alexandria, La. ... 472
Beauregard, P. G. T.: General, Civil War ... 472
Bed-chamber of Louis XIV: Versailles, France, ill. 539
Bedroom of Napoleon: Versailles, France, ill. ... 545
Beecher, Henry Ward: Significance of our colors. 301
Beehive coke ovens ... 135
Beersheba, Arabia: Where drugs are sold, ill. ... 215
Behind the lines during an attack: Italian front ... 50
Belgrano, General: South America ... 361
Besnacayt, Emperor of Persia ... 398
Bessemer converters at work, ill. ... 130
Bessemer steel, The story of ... 150
Bethlehem, Pa.: Rolling structural steel, ill. ... 148
Bethlehem Steel Company employees, ill. ... 132
Beverage, Khat never used as a: Arabia ... 185
Bible, Ten famines are recorded in the ... 70
Biblical origin of the Red, White, and Blue ... 302
Bills rendered by a flag designer ... 297
Birthday of the Stars and Stripes: June 14, 1777. 295
Black Death in England, The ... 82
"Black Death" plague, illustrating the: From a painting by Poussin, ill. ... 4
Black Death started by a Chinese famine ... 88
Black-face sheep: Scotland, ill. (rotogravure insert) ... 518-535
Blacksmith, Village: Scotland, ill. (rotogravure insert) ... 518-535
Black stone, Mecca's oldest treasure ... text, 163; ill., 170
Blast furnace, Giant, ill. ... 153
Blast furnaces, Making coke for ... 133
Blast furnaces, Soul-mates in ... 140
"Blighty" song, The ... 538
Blockade, Opium and the ... 234
Blue, Rupert. Surgeon General, U. S. Public Health Service. Conserving the Nation's Man Power ... 255
Board of Trade of Petrograd and the American Mission to Russia, ill. ... 94
Boat, Native: Ceylon, ill. ... 224
Boats: India, Down the Jhelum in, ill. ... 218
Boats, Sail: Red Sea, ill. ... 161
Boats: Singapore, Massing the fleet at, ill. ... 220
Bolivar, Simon: Liberator, South America ... 357
Bombardment scenes: France ... text, 509; ill., 502, 507, 514
Bonnie Prince Charlie, ill. (rotogravure insert) ... 518-535
Bounin, Ivan: Russian poet ... 249
Bowie, Camp: Fort Worth, Texas ... 473
Bowie, James: Originator of the bowie knife ... 475
Boy with his pets: Scotland, ill. (rotogravure insert) ... 518-535
Bread, Acorn, eaten during a famine in Russia ... 89
Bread: Camp bakery's capacity, 80,000 pounds a day ... 443
Bread, Cartload of: Galician front, ill. ... 39
Bread shortage in Petrograd ... text, 99; ill., 100
Bridge, Duluth Harbor, ill. ... 127
*Britannic*, British steamer, ill. ... 148
British Colonial flags ... ill. (colored), 362, 363, 366; text, 381
British Empire, Flags of the ... ill. (colored), 359, 362, 363, 366; text, 378
British soldiers visit Versailles, France, ill. ... 536, 550
British steamer *Britannic*, ill. ... 148
Brown, John: Pottawattomie, Home of ... 462
Brown rat, History of the ... 1, 3
Brunswick to Portland road, Maine, ill. ... 495
Brusilloff, Alexis: Commander-in-chief of the Russian army, ill. ... 95
Bubonic plague caused by rats ... 13
Buffalo, N. Y.: Industrial scenes, ill. ... 126, 203
Building, A notable achievement in the history of. 439
Buildings wrecked to stop rat plague: New Orleans, ill. ... 5
Bukovina, Russian advances in: Austria-Hungary. 93
Bullock cart: Ceylon, ill. ... 216
Burden bearers in Java, ill. ... 219
Buryat Princes assembled to greet American Mission to Russia, ill. ... 104
Business office, Company: National Army Cantonment ... 429
Butter, Save, ill. ... 194, 195

"C"

Cables, Steel, strung from peak to peak: Dolomite Alps, ill. ... 51, 55
Cabot, Flag of: England ... ill. (colored), 338; text, 341
Cadore district, Dolomite Alps: Scenes, ill. ... 46, 48, 53, 62, 64, 65
Cairo, Egypt: El Khurunfish, a factory ... 165
Cairo of today founded by G'awhar ... 75
Calais, Russia aids at the Marne and ... 93
Caliphate of Zahir: Egypt ... 75
Caliph Mo'izz: Egypt ... 75
Caliph Mustansir: Egypt ... 77
Call of the Flag, The ... 303
Cambridge, Mass., Hoisting the Grand Union Flag at ... 289
Camels, Arabian ... text, 179; ill., 165, 177, 215
Camp areas under Public Health Service control ... 263
Campbells are coming, The: Scotch collies, ill. (rotogravure insert) ... 518-535
Camp fire behind the lines in Lorraine, ill. ... 501
Camphor industry ... 236
Camp Lee, Virginia's Home for the National Army. By Major Granville Fortescue ... 421
Camp Meade, Md.: First drill, ill. ... 432
Camp newspaper stimulated men to special effort ... 442
Camp Pike, Work around Little Rock, Ark. ... 264
Camps and Cantonments, America's new soldier cities. By William Joseph Showalter ... 439
Camp sites, selection of ... ill., 422; text, 441
Camps: National Army cantonments ... 446-467
Camps, Pilgrims': En route to Mecca, ill. ... 166, 167
Camps, United States: Map showing locations ... 438
Camp Zachary Taylor, Sanitating area around, ill., 270, 272, 275
Canal scene near Colombo, Ceylon, ill. ... 224
Canal Soo: Poe Lock, ill. ... 142
Cannibalism induced by starvation ... 79, 83, 86, 87, 89
Canning corn, Fireman, ill. ... 201
Canteen, Italian, in American church entertains American sailors ... 65
Canteen, Soldiers in a: France, ill. ... 512
Canton, Ohio, G. A. R. veterans in Washington, D. C., ill. ... 413
Cantonment areas, How the Government is sanitating the civil zones around. By Rupert Blue ... 255
Cantonments: America's New Soldier Cities. By William Joseph Showalter ... 439
Cantonments, Construction of ... text, 439; ill., 422, 423, 426, 432
Capital and labor in England, First great clash between ... 82
Caravan, Reindeer: Siberia, ill. ... 225
Caravan resting: Khyber Pass, ill. ... 226
Caravans of khat camels: Arabia ... ill., 177; text., 179
Carbolic acid, Increased price of ... 229
Carbon monoxide used to destroy rats: Fumigating ships, ill. ... 20
Carpenters working on new hangars, ill. ... 424
Carpet, Holy: Mohammedan shrine, ill. ... 158
Cars, Electric: Tiflis, Russia, ill. ... 41
Cart, Bullock: Ceylon, ill. ... 216
Cart, Native: Russian Turkestan, ill. ... 232
Caste complicates Indian famine relief ... 88
Castor oil, the submarine, and the aëroplane ... 219
Cathedral entrance, St. Patrick's: New York City. 443
Cathedral entrance, St. Paul's: London ... 302
Cats eaten for food during a famine ... 79, 82, 86, 89
Cattle, Hieland: Scotland, ill. (rotogravure insert). 518-535
Cattle ranch in Montana, ill. ... 188
Caucasus, Russia: Scenes, ill. ... 38, 41-43, 248

Page

Celebration of the Constitution of Mecca.....ill, 169; text, 171
Cellar scenes during a bombardment..... 509
Cemetery, French: After the bombardment, ill... 514
Censorship in Revolutionary times..... 289
Cereals, Diminished production of: Europe..... 189
Ceylon, Scenes in, ill..... 216, 224
Chapawamsic Swamp, Va.: Dirt road, ill..... 486
Charleston, S. C.: Historic live oak tree..... 349
Charlotte, N. C.: Camp Greene..... 467
Chasseurs who are training American troops..... 517
Chatham County road, Georgia, ill..... 496
Chemists, Chinese druggist and his: Soochow, ill.. 236
Chester, Admiral Colby M.: Account of a Colonial flag-bee..... 299
Chewing Houses, Khat: Arabia..... text, 183; ill. 184
Chicken used instead of butter, ill..... 195
Children, Alsatian, ill..... 508, 518
Children celebrating Americanization day, New York City, ill..... 409
Children delivering rats killed during a campaign in Copenhagen, ill..... 13, 14
Children, Flag of: Salt Lake City, ill..... 408
Children making a flag, ill..... 474
"Children of the Sun": Incas..... 356
Children sold during a famine..... 86, 89
Chillicothe, Ohio: Camp Sherman..... 455
China, Drugs from, ill..... 214, 227, 232, 233, 236
China's famine sufferers, ill..... 76, 78
Chinese druggist and his chemists, ill..... 236
Chinese famine which started the Black Death.... 88
Chinese officials who welcomed the American Mission to Russia, ill..... 104
Chinook salmon, a 60 pound, ill..... 209
Church, A: Tiflis, Russia (Caucasus), ill..... 38
Church entrance, Kremlin of Moscow, ill..... 112
Church, Soldiers worshipping in: Italian front... 57
Cimo Palombino, Dolomite Alps: Commander's quarters, ill..... 56
Cincinnatus, Appeal to: Rome..... 71
Cinnamon industry..... 233
City of Mexico formerly Tenochtitlan..... 360
Civilization, Highways denote, ill..... 484
Civil War flags.....ill. (colored), 388; text, 344
Cleveland, Ohio: Ore stock pile and machinery, ill..... 122
Clouds, Sea of: Cadore district, Dolomite Alps, ill. 48
Clove industry, Zanzibar, ill..... 222, 223
Clove, The wars of the..... 221
Clubs for the soldiers: Italy..... 65
Coachman, Tolstoy's: Yasnayah Polyanah, Russia, ill..... 32
Coal line in France, ill..... 503
Coal mine: Standard Mine No. 1..... 133
Coast Guard signals.....ill. (colored), 319, 322; text, 317, 320
Cobbler astronomer, a: Russia..... 247
Cobbler, Scotch, ill. (rotogravure insert)..... 518-535
Code of signals, International.....text, 317; ill. (colored), 319
Codfish drying: Gloucester, Mass., ill..... 212
Cody, Camp: Deming, New Mexico..... 475
Cody, William F.: Last of the great American scouts..... 475
Coffins draped with Star Spangled Banner, ill.... 287
Coke for blast furnaces, Making..... 133
Cold, Battling amid Arctic, Italian front..... 61
Collies, Scotch: The Campbells are coming, ill. (rotogravure insert)..... 518-535
Colocynth, Source of..... 232
Colombian Union..... 364
Colombo, Ceylon: Canal scene, ill..... 224
Colonial flag-bee, Admiral Chester's account of a. 299
Columbia River, Oregon: Fishing industry, ill.... 208
Columbia, S. C.: Camp Jackson..... 452
Commerce of Mecca..... 163
Commercial development vital in war..... 489
Compressed-air machine, Reaming out rivet holes with, ill..... 147
Concrete highway, Wayne County, Michigan, ill.. 486
Congress Colors, the first Navy Ensign.... text, 288; ill. (colored) 338
CONSERVING THE NATION'S MAN POWER: DISEASE WEAKENS ARMIES, CRIPPLES INDUSTRY, REDUCES PRODUCTION. HOW THE GOVERNMENT IS SANITATING THE CIVIL ZONES AROUND CANTONMENT AREAS. A NATION-WIDE CAMPAIGN FOR HEALTH. BY RUPERT BLUE, SURGEON GENERAL, U. S. PUBLIC HEALTH SERVICE..... 255
Constantine Balmont, Russian poet..... 249
Constantinople opinm..... 234
Continental Army began its official existence, January 2, 1776..... 289

Page

Convict labor on roads, ill..... 485, 494
Coolies: Java, ill..... 219
Coolie with a load of tu-chung bark: China, ill... 227
Coöperation's great influence: Russia..... 250
Coöperative movement in Russia..... 249
Copenhagen's campaign against rats, ill..... 13-15
Corey, Carolyn. From the Trenches to Versailles. 535
"Corks, Pontius Cominius swam the Tiber on"... 72
Corn destroyed by rats, ill..... 2
Corner drug store, East side, New York City, ill.. 237
Corn, Europeans have not learned to eat..... 191
Corn, Fireman canning, ill..... 201
Cornwallis as Governor General in India..... 88
CORRECT DISPLAY OF THE STARS AND STRIPES, THE..... 404
Correspondent, American Newspaper: Addressing Russian troops, ill..... 34
Costume, Georgian woman in Tiflis, Caucasus, ill. 41
Costumes: Alsatian children, ill..... 508, 518
Costumes: Russian peasant girls, ill..... 85
Costume, Yakut girl's: Siberia, ill..... 250
Cotton on the way to market: North Carolina, ill.. 480
Crane, Electro-magnet: Loading steel rails, ill.... 144
Crane, Giant electric: Working on a battleship, ill. 152
Crops, India's: Success depends upon two monsoons..... 88
Cross-roads in the steel industry..... 154
Crowder, General..... 431
Crowley, Louisiana: Harvesting the rice crop, ill. 192
Crusaders, Famine among the French..... 83
Culinary department of a battery of field artillery, ill..... 211
Cultivation of khat is simple..... 175
Currency, North Carolina: 1776, ill..... 288
Custer, Camp: Battle Creek, Michigan..... 459
Custer, George A., General: Death of..... 459
Cutting flag stars by machinery, ill..... 407

"D"

Dairy inspector, Leavenworth, Kansas, ill..... 263
Dalny, Manchuria: Soy-beans on the docks, ill... 35
Damascus, Pilgrims assembled in, ill..... 158
Dante's dreams outdone..... 151
Débutante deserts the ball-room for the dairy, ill.. 206
Decadence of Venice as a matter of geography... 221
Deerhounds, Scottish, ill. (rotogravure insert), 518-535
Defenders of liberty marching down Fifth avenue, N. Y., ill..... 440
Deming, New Mexico: Camp Cody..... 475
Democracy can do, What an aroused..... 446
Democratic, Russian nature is..... 238
Denys, King of Portugal, instituted the Order of Christ..... 360
Designer of flags rendered bills..... 297
Des Moines, Iowa: Camp Dodge..... 461
Des Moines: Name signifies "Of the Monks"..... 461
Developing real Americanism: National Army.... 436
Developing that subtle something—morale..... 431
Devens, Camp: Ayer, Mass..... 446
Devens, Charles: Brig. Gen. in the Civil War.... 449
Diagram showing exact proportion and position of stars and stripes in the flag, ill..... 312
Dinner pots in the cottage fireplace: Ireland, ill.. 74
Dirt has been outlawed, How: Cantonments..... 445
Disease carriers, Rats as..... 7
Disease Weakens Armies: Conserving the Nation's Man Power. By Rupert Blue..... 255
Dix, Camp: Wrightstown, N. J..... 450
Dixie Highway, Military motor-truck test over the, ill..... 481
Dix, John A.: General, Civil War..... 451
Dnieper River from Kief, Russia, ill..... 241
Docks at Dalny, Manchuria: Soy-beans ready for shipping, ill..... 35
Doctor, Chinese: Wu Hu, ill..... 214
Dodge, Camp: Des Moines, Iowa..... 461
Dodge, Granville M.: Civil engineer and general. 461
Dogs and horses: Scotland, ill. (rotogravure insert)..... 518-535
Dogs devoted allies to the soldiers in the Alps, ill. 60
Dogs eaten for food during a famine.... 79, 82, 86, 89
Dogs: Russian wolfhounds, ill..... 242
Dolomite Alps, The: A sea of clouds, ill..... 48
Dolomite Alps, Italian soldiers in the, ill..... 46, 49, 51, 54, 56, 62, 64, 65
Dom John VI of Portugal in Brazil..... 360
Doniphan, Alexander William: American soldier.. 475
Doniphan, Camp: Lawton, Kans..... 475
Drag used to improve a North Carolina road, ill.. 489
Drop hammer forging an axle, ill..... 154
Drug gardens, Arlington..... 234

Page

Drug prices compared ..... 229
Drugs, Speculators in ..... 213
Drugs: World's sources of supply, ill. 214-220, 222-237
Drug trade and the glory of Venice ..... 219
Duluth, Minnesota: Steel industry, ill. ..... 127, 128
Duma Hall, Russian soldiers and civilians in the, ill. ..... 114
Dutch West Indies: First foreign salute to an American flag ..... 294

"E"

Earliest records of a famine ..... 70
Earth, To the end of the ..... 397
Easthampton, L. I.: Birthplace of John Howard Payne ..... 449
"East is East and West is West" ..... 213
East side, New York City, ill. ..... 237
Edinburgh, Hills near: Scotland, ill. (rotogravure insert) ..... 518-535
Educational conditions: Russia ..... 244, 251
Efficiency the key-note of the cantonment lay-out. 427
Egypt, Cairo: El Khurunfish, a factory ..... 165
Egyptian famines under Mohammedan rule ..... 75
Egyptian pyramid, ill. ..... 80
Electric cars: Tiflis, Russia, ill. ..... 41
Electric crane working on a battleship, ill. ..... 152
Electro-magnet crane: Loading steel rails, ill. ..... 144
Elevator, Grain: Buffalo, N. Y., ill. ..... 203
El Khurunfish, a factory: Cairo, Egypt ..... 165
Emblem of our unity, The: President Wilson's Flag Day address ..... 303
Employees, Bethlehem Steel Company, ill. ..... 132
Emporia, Kansas: Birthplace of "What's the Matter with Kansas" ..... 462
End of the Earth, To the ..... 397
England contained "eleven great cities" ..... 390
England, London: St. Paul's Cathedral, ill. ..... 302
England, The story of famines in ..... 81
English hospitals in Italy ..... 65
Engineer, Danish: Emil Zuschlag ..... 16
Erudite shoemaker, An: Russia ..... 247
Europeans have not learned to eat corn ..... 191
Europe, Flags of Asia, Africa, and..ill. (colored), 354, 355, 358; text, 372
Europe's fate hung in the balance, When ..... 92
Europe's first account of Tibet ..... 397
Ex-Emperor of Russia, ill. ..... 96
Exports of food, U. S.: Pre-war ..... 189

"F"

Faces remade, Mutilated: Italian front ..... 51
Factory, El Khurunfish: Cairo, Egypt ..... 165
Factory inspection, Ice-cream: Leavenworth, Kans., ill. ..... 263
Factory where government flags are made, ill. ..... 406
Family, Large: Yasnayah Polyanah, Russia, ill. ... 32
Famine among the French crusaders ..... 83
Famine, Earliest records of a ..... 70
Famine of Joseph's day ..... 70
Famine relief complicated by caste in India ..... 88
Famine relief work, Augustus Cæsar one of the earliest chiefs of systematic ..... 72
Famines, Fearful, of the Past. By Ralph A. Graves ..... 69
Famine sufferers, ill. ..... 72, 73, 76-78
Farmer had a voice in price-fixing ..... 204
Farmingdale, L. I.: Milking time, ill. ..... 206
Farm scenes in Scotland, ill. (rotogravure insert), 518-535
Farm tractors, Building, ill. ..... 150
Far-reaching tide of war, The ..... 215
Fatamid army, Nasir-ed-dawla, Commander-in-chief of the ..... 77
Fate of Europe hung in the balance, When the ... 92
Father of Russian literature: Lomonosov ..... 251
"Fats may win the war," ill. ..... 204, 205
FEARFUL FAMINES OF THE PAST: HISTORY WILL REPEAT ITSELF UNLESS THE AMERICAN PEOPLE CONSERVE THEIR RESOURCES. BY RALPH A. GRAVES ..... 69
Federal aid for States in building good roads .... 487
Ferdinand, King of Roumania, ill. ..... 120
Ferula root ..... 213
FEW GLIMPSES INTO RUSSIA, A. BY LIEUT. ZINOVI PECHKOFF ..... 238

Page

Fifth avenue, New York City, ill. ..... 440, 464
Finland, the coast near Helsingfors, ill. ..... 28
Fireman canning his corn crop, ill. ..... 201
Fireman, Woman: Trans-Siberian Railway, ill. .... 106
Fireplace, Irish kitchen, ill. ..... 74
First-aid post in the trenches, ill. ..... 516
First curb on the middleman, England ..... 81
First drill: Camp Meade, Md., ill. ..... 432
"First Salute to the Stars and Stripes": Moran painting ..... ill., 290; text, 301
Fish: Drying cod at Gloucester, Mass., ill. ..... 212
Fisher, Carl G., and the Dixie Highway ..... 493
Fishing industry: Oregon, ill. ..... 208, 209, 212
Fit partner for an honor league, Russia a ..... 238
Flag and defenders of liberty: New York City, ill. 440
Flag-draped coffins: U. S. soldiers, ill. ..... 287
Flags, French: On soldiers' graves, ill. ..... 510
Flag makers, ill. ..... 406, 407, 420, 474
Flag, Mammoth: G. A. R. parade, Washington, D. C., ill. ..... 412
FLAG NUMBER, OUR: Flags of all nations, with 1,197 illustrations in full colors. BY BYRON McCANDLESS AND GILBERT GROSVENOR ..... 281
Flag raised over Camp Dix ..... 442
Flags and school children: United States, ill.. 408-410
Flag salutes, Usages in ..... 408
Flags which signalized America's entrance into the world war, ill. ..... 302
Flag that inspired the "Star Spangled Banner,".. ill., 291; text, 306; ill. (colored), 310
Flag woven by mill workers, ill. ..... 411
Flea hunting by the plague eradicators: U. S. Public Health Service, ill. ..... 9
Fleecing pilgrims: Only industry of Jiddah, Arabia 161
"FLOWER OF PARADISE, THE": THE PART WHICH KHAT PLAYS IN THE LIFE OF THE YEMEN ARAB. BY CHARLES MOSER ..... 173
Food administration: Egypt ..... 75
Food-administration posters, ill. ..... 194, 195, 204, 205
FOOD ARMIES OF LIBERTY, THE. BY HERBERT HOOVER ..... 187
Food, Conserve: Fearful famines of the past ..... 69
Food for Russian armies, ill. ..... 35, 39
Food, Russian peasants selling, ill. ..... 109
Food sold at fabulous prices: Egypt ..... 79
Food, Soldiers': National Army cantonment ..... 428
Food, The Weapon of. By Herbert Hoover ..... 197
Foote, John, M. D. The Geography of Medicines. 213
Formosa, Busy scenes in, ill. ..... 234
Fortescue, Major Granville, U. S. A.: Training the New Armies of Liberty ..... 421
Fort, Arabian: En route to Mecca, ill. ..... 159
Fort, McHenry, National flag which flew over: 1812, ill. ..... 291
Fort Nassau, captured by Americans, 1776 ..... 294
Fort of Orange, Dutch West Indies. First foreign salute to an American flag ..... 294
Fort Riley, Kans.: Camp Funston ..... 462
Fort Schuyler now Rome, N. Y. ..... 301
Fort Stanwix, The improvised Old Glory of ..... 300
Fort Worth, Tex.: Camp Bowie ..... 473
France, Famines of ..... 82
France, Lorraine: Where the First Americans Have Fallen. By Harriet Chalmers Adams .... 490
France's first official salute to the American flag, ill., 290; text, 301
"France, Somewhere in": Refugees, ill. ..... 87
France: War scenes, ill. ..... 502, 503, 505-507, 510-516, 518
Francis, Ambassador, in Russia, ill. ..... 94
Franciscan friar's historic narrative ..... 388
Franco-Prussian war, Paris during its seige in the 84
Freedom and liberty to the Russian peasants are taken literally ..... 105
"Freedom is not self-will" ..... 39
Freezing point of steel is above the boiling point of water ..... 154
Frémont, Camp: Menlo Park, Cal. ..... 476
Frémont, John Charles: Soldier, explorer, and political leader ..... 476
French army's first salute to the Stars and Stripes on French soil, ill. ..... 300
French court, Suffering due to the extravagance of the ..... 84
French crusaders, Famine among the ..... 83
FRENCH LORRAINE, IN. BY HARRIET CHALMERS ADAMS ..... 499
French opera star: Marthe Chenal, ill. ..... 505

Page

French soldiers marching on the Rue Royale, ill.. 548
FROM THE TRENCHES TO VERSAILLES. BY CAROLYN COREY..... 535
Fumigating ships with carbon monoxide to destroy rats, ill..... 20
Funeral of an Italian soldier in the Alps, ill..... 55
Funston, Camp: Fort Riley, Kans..... 462
Funston, Frederick: General, U. S. A..... 462
Furnaces, Steel mill, ill..... 131, 153
Fustat, Egypt: Famine..... 75

"G"

Gadsden, Christopher: Presents the Gadsden flag to Congress..... 289
Gaelic exorcism against rats..... 15
Galician front, Cartload of bread on the, ill..... 39
Galician front, Russian in trenches on the, ill.... 37
Galicia, Russian advances in: Austria-Hungary... 93
Gallatin Valley, Montana: Wheat field, ill..... 202
Gallery of Battles, Royal Palace: Versailles, France, ill..... 541
Gallipoli in an early campaign..... 398
Gansevoort, Peter: Defender of Fort Schuyler... 301
Garbage cans needed..... 257
G'awhar, a Mohammedan Joseph..... 75
Geiger, J. C.: U. S. Public Health Service, ill.... 266
Genesis of steel..... 121
Geographic center of the United States: Fort Riley, Kans..... 462
Geographical and Historical Environment of the National Army Cantonments and National Guard Camps. By William Joseph Showalter.. 439
Geographical Society, Russian Imperial: Founded 1845..... 251
GEOGRAPHY OF MEDICINES, THE: WAR'S EFFECT UPON THE WORLD'S SOURCES OF SUPPLY. BY JOHN FOOTE, M. D..... 213
Geography of the Middle Ages told by flags..... 388
Geography, The decadence of Venice as a matter of..... 221
Georgian woman in costume: Tiflis, Caucasus, ill. 41
German Empire, Flags of the.....ill. (colored), 367; text, 386-388
Germanic epics, Thor in the..... 240
German political drive a failure..... 111
German prisoners at work on Trans-Siberian Railway, ill..... 108
Germans being watched from a Russian observation position..... 27
Germans' operations against the Russians..... 93
Germans quick to profit by breakdown of the old order in Russia..... 101, 110
Girls from Alsace, ill..... 508, 518
Glaciers, Central Caucasus: Russia, ill..... 42, 43
Glaciers, Italian soldiers advancing over the, ill. 58, 59
Glee club and string band at Plattsburg, ill..... 458
Glimpses into Russia. By Lieut. Zinovi Pechkoff. 238
Glorified walking beams: Iron-ore unloaders..... 131
Glory of Venice and the drug trade, The..... 219
Gloucester, Mass.: Codfish drying, ill..... 212
Glynn County road, Georgia, ill..... 485
Goat-cart and negro driver, ill..... 493
Gold-mining ants as big as cats..... 394
Goodbye kiss: Soldier leaving his family, ill..... 430
Goransson, a Swedish ironmaster..... 151
Gordon, Camp: Atlanta, Ga..... 452
Gordon, John B.: General, Civil War..... 455
Government Departments, Flags of Our Army, Navy, and.....text, 305; ill. (colored), 310, 311, 314, 315, 318, 319, 322, 335
Government in Russia: Old régime..... 99
Government is Sanitating the Civil Zones Around the Cantonments, How the. By Rupert Blue... 255
Government object-lesson in road building, ill.... 483
Grader, Opium, ill..... 230
Graef, Johannes de: Dutch Governor of St. Eustatius..... 294
Grain elevator, Buffalo, N. Y., ill..... 203
Grain export, U. S..... 189, 197
Grain vessels, Rats infest..... 3
G. A. R. parade, Washington, D. C., ill..... 412
Grand Sherif of Mecca: El Husein Ibn Ali...ill., 169; text, 172
Grant, Camp: Rockford, Ill..... 459
Grant, Ulysses S.: Chieftain of the Northern armies, Civil War..... 459
Grass roots used for food during a famine..... 83
Graves, Ralph A.: Fearful Famines of the Past.. 69

Page

Graves, Soldiers': France, ill..... 510
Great Lakes, Shipping on the....ill., 128, 129, 134, 142
Great seal of the United States.....text, 305, 306; ill. (colored), 310
Greene, Camp: Charlotte, N. C..... 467
Greenville, S. C.: Camp Sevier..... 469
Grosvenor, Gilbert, Editor and Director of the National Geographic Society: Our Flag Number. 281
Grotto of Apollo at Versailles, France.....text, 543; ill., 550
Guards placed on the hawsers to keep rats from boarding the ship, ill..... 21
Guard to the Standard, ill..... 307
Guidon, Troop F, New York National Guard, ill.. 298
Gujarat, India: Afflicted with drought, 1630..... 87
Gum tragacanth..... 235
Guns and turrets under construction, Fourteen-inch, ill..... 133
Gun, Silhouetted sentry with his, ill..... 463
Guns, Transporting big: Cadore district, Dolomite Alps, ill..... 65

"H"

Hale, Nathan: Last words..... 450
Halibut steaks will help win the war, ill..... 209
Hall of the Bull's Eye: Palace of Versailles, France, ill..... 538
Hammer, Drop: Forging an axle, ill..... 154
Hamza, Burial place of: Arabia..... 171
Hancock, Camp: Augusta, Ga..... 469
Hancock, John: First Governor of Massachusetts.. 353
Hancock, Winfield Scott: American soldier..... 469
Hand, Lieut. Colonel: First Pennsylvania Rifles.. 352
Hangars, Carpenters working on, ill..... 424
Harbin, Chinese officials at, ill..... 104
Harbor, Duluth, ill..... 127
Harpers Ferry, West Virginia, Scene near, ill.... 482
Harvesting in Russia: Peasant girls, ill..... 85
Harvesting the rice crop at Crowley, La., ill..... 192
Hattiesburg, Miss.: Camp Shelby..... 472
Haul-seining on the Columbia River, Oregon, ill.. 208
Hay, Baled, protected against rats, ill..... 19
Hay-wagons on the road, ill..... 495
Health a by-product of the war, Better national.. 278
Health, A nation-wide campaign for. By Rupert Blue..... 255
Hejaz, Arabia..... 157
Helsingfors, Coast of Finland near, ill..... 28
Hens guarded by a sentinel, Italian hospital..... 63
Herat, Afghanistan..... 213
Heroes as soil defenders, Russian..... 240
Heroes, Roll-call for: Russia, ill..... 44
HEROIC FLAGS OF THE MIDDLE AGES: THE GEOGRAPHY OF THE EARTH AS KNOWN IN MEDIEVAL TIMES SYMBOLIZED IN 96 HISTORIC STANDARDS..... 388
Hibbing, Minn.: Iron-ore capital..... 121
Hickery-Dickery-Dock: Scotland ponies, ill. (rotogravure insert)..... 518-535
Hicks, Frederick C.: Flag Day Address in the House of Representatives, June 14, 1917..... 303
Hidalgo, Miguel: Death in 1811..... 360
Hieland cattle: Scotland, ill. (rotogravure insert)..... 518-535
Hieland orphans: Scotland ponies, ill. (rotogravure insert)..... 518-535
"High cost of twilight slumber, The"..... 233
High order of man material: National Army..... 433
High prices lead to strikes..... 199
Highways now in use for war purposes..... 493
Highways, The Immediate Necessity of Military. By A. G. Batchelder..... 477
Highway trunk lines essential for rapid transportation of troops and supplies..... 477
Hill, Lieut. Colonel: American Revolution..... 352
History, Flags Famous in American, ill. (colored), 338, 339, 342; text, 341
History's most remarkable revolution: Russia.... 99
Hodgenville, Ky., Birthplace of Abraham Lincoln. 457
Holiday scene at Vyatka, Russia, ill..... 113
Holy carpet for Mohammedan shrine, ill..... 158
"Home, Sweet Home," by John Howard Payne... 449
Hoover, Herbert. The Food Armies of Liberty... 187
Hoover, Herbert. The Weapon of Food..... 197
Hopkins, Esek: First commander-in-chief of the Navy..... 287, 292
Hopkinson, Francis: Signer of the Declaration of Independence..... 297
Horse-cart used to aid road-mender, ill..... 491
Horsemen, Forty thousand: Lewata Berbers..... 77
Horses and dogs: Scotland, ill. (rotogravure insert)..... 518-535

Page

Horses eaten for food during a famine..... 82
Hospital, Glimpse of a tented..... 500
Hospital beds, three for every hundred men..... 446
Hospital on mule-back follows troops: Italian front 62
Hospitals, English, in Italy..... 65
Hospital where mutilated faces are remade: Italian front ..... 51
House, Country: Russia, ill..... 239
House, Model of rat-proof: U. S. Public Health Service, ill..... 18
House rats..... 1
Houses, Native: Russian Turkestan, ill..... 232
Houston, Sam: Second President of the Republic of Texas..... 473
Houston, Tex.: Camp Logan..... 473
Hulett unloader, Iron ore.....text, 131; ill., 134
Hull Rust Mine, Hibbing, Minn..... 121
Human flesh sold in open market during a famine, 79, 89
Hunger and the Russian peasant..... 89
Huntington, L. I.: Monument to Nathan Hale... 449
Husein Ibn Ali, Grand Sherif of Mecca.....ill., 169; text, 172
Huts, Thatched: Russia "isba" near Moscow, ill.. 36

"I"

Ice-cream factory inspection: Leavenworth, Kans., ill..... 263
Ice-fall of Karagour glacier, central Caucasus, Russia, ill..... 43
Ice skating in Russia, ill..... 245
Ikons in the Russian churches..... 100
Ilya Mourometz, "the Peasant's Son"..... 240
IMMEDIATE NECESSITY OF MILITARY HIGHWAYS, THE. BY A. G. BATCHELDER 477
Imperial Russian Railway coach, ill..... 101, 105
India, Deaths caused from rat-borne plague in.... 13
India, Famine's terrible toll in..ill., 72, 73, 77; text, 87
India, Kashmir: Down the Jhelum, ill..... 218
Indian famine relief complicated by caste..... 88
India's history is black with the blotches of famine 86
India, The wealth of..... 396
INDUSTRY'S GREATEST ASSET—STEEL. BY WILLIAM JOSEPH SHOWALTER..... 121
Influence of the Germans at the Russian front.... 111
IN FRENCH LORRAINE: THAT PART OF FRANCE WHERE THE FIRST AMERICAN SOLDIERS HAVE FALLEN. BY HARRIET CHALMERS ADAMS..... 499
INSIGNIA OF THE UNIFORMED FORCES OF THE UNITED STATES, THE.....text, 413; ill., 414-419
International code of signals.....text, 317; ill. (colored), 319
Ireland's many famine woes..... 86
Irish, America among the first to aid..... 86
Irish cobbler potatoes grown in Maine, ill..... 196
Irish mother knitting socks, ill..... 74
Iron-ore capital: Hibbing, Minn..... 121
Iron range, Minnesota: Open-pit mine, ill..... 124
Iron that flows like milk..... 144
"Isba" or hut, Russian: Near Moscow, ill..... 36
Islam, Mecca the sink-hole of..... 163
Italian canteen in American church entertains American sailors..... 65
Italian Front, Letters from the. By Marchesa Louise de Rosales to Ethel Mather Bagg..... 47
Italian soldiers in the Alps, ill... 46, 49-56, 58-62, 64-66
Italian soldiers provided with skis, ill..... 50, 61
Italy: The glory of Venice and the drug trade... 210
Ivan Bounin, Russian poet..... 249

"J"

Jackson, Andrew: Seventh President of the United States ..... 452
Jackson, Camp: Columbia, S. C..... 452
Java, Burden bearers in, ill..... 219
Jhelum, Down the: Kashmir, India, ill..... 218
Jiddah, Arabia: Port of Mecca..... 161
Jones, John Paul: Raises the first American flag ..... 288, 290
Joseph, G'awhar a Mohammedan..... 75
Joseph's day, The famine of..... 70
Joseph slain, The Roman..... 71
Jovinus defeated the Teutonic hordes sixteen centuries ago, Where..... 500
Judas, The profiteer a modern: Food..... 206

"K"

Ka'aba, House of God: Mecca..text, 163; ill., 170, 172
Karagour Glacier, Central Caucasus, Russia, ill... 43

Page

Kashmir, India: Down the Jhelum, ill..... 218
Kearny, Camp: San Diego, Calif..... 475
Kearny, Stephen W.: Lieut. in the War of 1812.. 476
Kerensky, Russia's Man of the Hour: His First Speeches and Proclamations.....text, 24; ill., 25
Kerensky's government will never make a separate peace ..... 118
Kerensky's order to attack..... 41
Kerensky, the point of focus on which to rally.... 103
Key, Francis Scott: "The Star Spangled Banner". 306
Key-note of cantonment lay-out, efficiency..... 427
"Khadem" or outcast Arabs, ill..... 180
Khat carrier of Yemen, ill..... 165
Khat, the Part Which it Plays in the Life of the Yemen Arab. By Charles Moser..... 173
Khyber Pass: Caravan enjoying a rest, ill..... 226
Kief, Russia: St. Vladimir Monument, ill..... 241
Kingdom, The vanished: Polonia..... 389
King Ferdinand of Roumania, ill..... 120
King of Arabia, New: Husein Ibn Ali.....ill., 169; text, 172
Kiss, A goodbye: Soldier leaving his family, ill... 430
Kitchen fire-place: Ireland, ill..... 74
Kneading iron like dough..... 147
"Knight of the Ocean Sea," Noyes' ..... 221
Knight, Plebeian: Spurius Maelius..... 71
Knitting socks, An Irish mother, ill..... 74
Knott, Proctor: Prophecy..... 125
Knowledge, Yearning for: Russian peasants.. 243, 244
Kremlin of Moscow, Elihu Root leaving a church in the, ill..... 112

"L"

Labor and capital in England, First great clash between ..... 82
Laboratory car, U. S. Public Health Service, ill.. 262
Labor-saving, Intensified..... 123
Lake and farm of Marie Antoinette: Versailles, France, ill..... 542
Lake Superior ore ranges..... 122
Lake Superior to Lake Huron locks, ill..... 200
Land of villages, Russia a..... 245
Lane, Franklin K., Secretary of the Interior: The Makers of the Flag..... 304
Lamberton, N. J.: Birthplace of General Pike.... 461
"Last moments of Napoleon": Palace of Versailles, France, ill..... 544
Latin America, The Liberators of..... 357
Laws against rats..... 15, 16
Lawton, Kans.: Camp Doniphan..... 475
Leader, A, willing to step aside: Alexander Kerensky ..... 31
Leavenworth, Kans.: Campaign for health, ill.... 254, 256, 263
Lee, Camp: Petersburg, Va..... 451
Lee, Robert E.: Chieftain of the Southern Confederacy ..... 452
Legends of rats in the Middle Ages..... 15
Legends, Russian: "Bylinas"..... 240
Leland Stanford Jr. University students bearing the first American flag in France, ill..... 300
Letter from President Woodrow Wilson, ill..... 549
LETTERS FROM THE ITALIAN FRONT. BY MARCHESA LOUISE DE ROSALES TO ETHEL MATHER BAGG..... 47
Lewata Berbers, Forty thousand horsemen of the. 77
Lewis, Camp: Tacoma, Washington..... 465
Lewis, Meriwether: One of the leaders of the Lewis and Clark Expedition..... 465
Liberators of Latin America..... 357
Liberty and freedom to the Russian peasant are taken literally..... 105
Liberty, The Food Armies of. By Herbert Hoover 187
Liberty, Training the New Armies of: Camp Lee, Virginia's Home for the National Army. By Major Granville Fortescue..... 421
Lighters, Natives loading: Zanzibar, ill..... 235
Lilacs of France, Transplanted..... 391
Lincoln, Abraham: Born in Hodgenville, Ky..... 457
Littell, I. W.: Colonel, U. S. A..... 439
Little Rock, Ark.: Camp Pike..... 459
Little Rock, Ark.: Work around Camp Pike.text, 264; ill., 266
Live oaks and Spanish moss: Georgia, ill..... 496
Living emblem of our national union, ill..... 408
Loading an ore steamer: Duluth, ill..... 128
Loading lighters at Zanzibar, ill..... 235
Locks, Wheat steamers in the, ill..... 198, 200
Locust plague visited Apulia, Roman province.... 75
Locusts in the larva stage: Forerunner of famine, ill..... 68

Page

Logan, Camp: Houston, Tex..... 473
Logan, John Alexander: Illinois military leader, Civil War..... 473
Lomonosov, the father of Russian literature..... 251
Longfellow and Mark Twain beloved in Russia.. 249
Long Island: Camp Upton..... 449
Longuta Glacier and mountains: Central Caucasus, Russia, ill..... 42
Lorraine, Behind the lines in, ill..... 501
Lorraine, In French. By Harriet Chalmers Adams 499
Louis IX of France, Death of..... 83
Louis XIV, Closing years of the reign of..... 84
Louis XIV, Bed-chamber of: Versailles, France, ill. 539
Louisville, Ky.: Camp Taylor..... 456
"Lowell of the South"": Augusta, Ga..... 469
Lumber being carried up the heights by Italian soldiers, ill..... 52
Lumber: Carpenters working on hangars, ill..... 424
Lumber wagons on the way to market: North Carolina, ill..... 480
Lunéville, Historic: France..... 515

"M"

MacArthur, Arthur: General, Civil War..... 473
MacArthur, Camp: Waco, Tex..... 473
McCandless, Byron, Lieut. Commander of the United States Navy: Our Flag Number..... 281
McClellan, Camp: Anniston, Ala..... 470
McClellan, George B.: Major General..... 470
Mabrazes, Khat chewing houses: Arabia....text, 183; ill., 184
Machinery, Cutting flag stars by, ill..... 407
Machinery used in steel industry, ill.....122, 130, 131, 134, 136-139, 144-147, 152-155
Machines, Giant trenching..... 445
Machines, Threshing: Illinois, ill..... 207
Macon, Ga.: Camp Wheeler..... 470
Maelius, Spurius, Plebeian knight..... 71
Mafurra seeds, Winnowing: Portuguese East Africa, ill..... 217
Mahmal: Gifts to the Sherif of Mecca...ill., 158, 162; text, 171
"Main street" of the soldier city..... 425
Maintenon, Madame de: France..... 84
Makers of the flag, ill..... 406, 407, 420, 474
MAKERS OF THE FLAG, THE. BY FRANKLIN K. LANE..... 304
Making a soldier in six months: National Army.. 433
Making waste pay: Cantonments..... 443
Malsa, City of..... 395
Manchester, N. H.: Mill-workers' flag, ill..... 411
Manchuria: Buryat Princes, ill..... 104
Manchuria, Dalny: Soy-beans on the docks, ill... 35
Manley, John: Commander of the *Lee*..... 287, 292
Manlius, Marcus: Roman patrician..... 71
Man material, A high order of: National Army..'. 433
Man of the Hour, Russia's: Alexander Kerensky. 24
Man power, Conserving the Nation's. By Rupert Blue..... 255
Man's best friends, ill. (rotogravure insert)... 518-535
Man's most destructive and dangerous enemy: Rats..... 1
Man's third foe—famine..... 69
Map: Camp Upton, Yaphank, L. I..... 437
Map of the United States: Showing location of camps..... 438
Map, Outline: Arabia..... 181
Marcus Manlius: Roman patrician..... 71
Marie Antoinette, Lake and farm of: Versailles, France, ill..... 542
Marine painting by Edward Moran, ill..... 290
Marines at bayonet drill: Quantico, Va., ill..... 466
Market-place for khat: Arabia.....ill., 174, 176, 178; text, 182
Market-place in the Sultan's dominions, ill..... 228
Market-place: Versailles, France, ill..... 543
Markets infested by rats..... 8
Mark Twain and Longfellow beloved in Russia... 249
Marl, region of, New Jersey..... 451
Marthe Chenal: French opera star, ill..... 505
Mascots of the Russian women's "Battalion of Death," ill..... 97
Mattresses for the student officers' bunks, ill..... 460
Maximalists, extreme radicals: Russia..... 103
Maxixca, Tlaxcallan chieftain..... 356
Meade, Camp: Maryland.....ill., 432; text, 451
Meade, George Gordon: General, Civil War..... 451
MECCA THE MYSTIC: A NEW KINGDOM WITHIN ARABIA. BY DR. S. M. ZWEMER 157

Page

Mecca, Bird's-eye view of: Arabia, ill..... 168
Mecca's oldest treasure: Black stone.....text, 163; ill., 170
Mecklenburg County road, North Carolina, ill..... 480
Medicines from China, ill..... 214, 227, 232, 233, 236
Medicines, The Geography of. By John Foote, M. D..... 213
Medina (Al Medina): Birthplace of Mahomet.... 396
Medina, Pilgrimage to: Arabia..... 171
Mellon, Lieut. Colonel: Commander of the Ninth Massachusetts Regiment, 1777..... 301
Men behind the hammers imbued with patriotic spirit..... 442
Men (200,000) are now working solely to feed rats..... 12
Mendoza City, Consecration of the flag in: Argentina, 1817..... 357
Menlo Park, Cal.: Camp Frémont..... 476
Men, Neckless: Middle Ages..... 399
Merchantman, Steel: Newport News, Va., ill..... 140
Merchants of Venice, The..... 221
Mesaba Range, Minnesota..... 122
Mesjid el Haram: Sacred Mosque, Mecca..... 163
Mess line at a National Guard encampment, ill... 210
Mexico's soldier-priest, Miguel Hidalgo..... 357
Michie, R. E. L.: Brigadier General, ill..... 95
Middle Ages, Heroic flags of the...ill. (colored), 370; text, 388
Middleman, First curb on the: England..... 81
Midnight sun, The..... 399
Migration of rats..... 5
Military highways and ships safeguarded Rome from famine..... 73
Military Highways, The Immediate Necessity of. By A. G. Batchelder..... 477
Military motor-truck test over the Dixie Highway, ill..... 481
Milking time: Farmingdale, L. I., ill..... 206
Mill-workers, Flag woven by: New Hampshire, ill. 411
Mina, Valley of, Arabia: Encampment of pilgrims, ill..... 166
Mine, Coal..... 135
Mine, Hull Rust: Hibbing, Minn..... 121
Mines, Iron-ore: Minnesota Range, ill..... 124
Minister of Foreign Affairs, Russian: M. I. Terestchenke, ill..... 93
Minneapolis, Minn.: Building farm tractors, ill... 150
Minnesota Point and Duluth Harbor, ill..... 127
Miram, M.: Préfet of the Department of Meurthe and Moselle..... 504
Model of rat-proof house: U. S. Public Health Service, ill..... 18
Moe Klipstick, Story of..... 215
Mohammedan Joseph, G'awhar a..... 75
Mohammedan rule, Egyptian famines under..... 75
Mohammed's prophecy fulfilled..... 157
Mo'izz, Caliph: Egypt..... 75
Monaco—smallest nation on earth..... 375
Monarch, A mythical: Prester John..... 395
Monte Civetta, Dolomite Alps: Above the clouds, ill..... 48
Monte Cristallo, Dolomite Alps: Above the clouds, ill..... 48, 49
Monte Pelmo, Dolomite Alps: Above the clouds, ill..... 48
Montgomery, Ala.: Camp Sheridan..... 470
Monument, St. Vladimir: Kief, Russia, ill..... 241
Morale, Developing that subtle something..... 431
Moran, Edward: Marine painting, ill..... 290
Morgab the younger..... 213
"Morning crank": Ambulance drivers, Morristown, N. J., ill..... 428
Morris, Robert: United States Minister of Marine. 288
Morristown, N. J.: Ambulance drivers, ill..... 428
Moscow, American Mission arriving in: Russia, ill..... 252
Moscow, Kerensky at..... 26
Moscow Peoples' Bank formed: Russia..... 250
Moscow, Russian "isba" or hut, ill..... 36
Moscow, Russian school-boys in, ill..... 30
Moser, Charles: Formerly American Consul, Aden, Arabia: "The Flower of Paradise"..... 173
Mosque, Prophet's: Medina..... 171
Mosque, Sacred: Arabia..... 163
Mosquito breeding, Control of, ill..... 272, 274-277
Mosquito war, A seventy square-mile battlefield in a..... 264
Motor transportation, Practical tests of..... 491
Motor-trucks, Military, ill..... 479, 481
Mountains: Siberia, ill..... 225
Mukalla, Arabia: Water front, ill..... 217

Page

Mule-back, Hospitals on: Italian front ..... 62
Mules used to work a North Carolina road, ill ... 489
Mummies as medicine ..... 236
Munition factories, American: Women workers, ill. 136
Mural decorations, Religious: Church doorway, Russia, ill ..... 112
Muscovy Company, The ..... 235
Mushet, Robert F.: Scotch steel maker ..... 151
Musical instruments: Banjo, ill ..... 458
Musical instruments: Bagpipes, ill ..... 513
Musicians, Russian ..... 251
Music in camp, ill ..... 458
Mustansir, Caliph: Egypt ..... 77
Myrrh, Source of, ill ..... 217
Mythical monarch, A: Prester John ..... 395

"N"

Nancy, The battle of: France ..... 515
Nancy works on in spite of bombardments: France, ill., 502; text, 504
Napoleon, Bedroom of: Versailles, France, ill .... 545
"Napoleon, Last moments of": Versailles, France, ill ..... 544
Nasir-ed-dawla, Commander-in-chief of the Fatamid army ..... 77
National Army, Camp Lee, Virginia's Home for the. By Major Granville Fortescue ..... 421
National Army cantonments ..... 446
National Army Cantonments, America's New Soldier Cities. By William Joseph Showalter ..... 439
National efficiency undermined by high prices ..... 199
National Geographic Society, Flag of the ..... ill. (colored), 335; text, 340
National Guard camps ..... 467-476
National Guard Camps: America's New Soldier Cities. By William Joseph Showalter ..... 439
National Guardsmen, ill ..... 210, 298, 444, 453, 456, 464, 468
Nation of volunteers needed: Food conservation .. 194
Nation-wide campaign for health. By Rupert Blue 255
Nation-wide intercourse provided by good highways 498
Naval flags of the world ..... text, 369; ill. (colored), 347, 350, 351
Navy, and Government Departments, The Flags of our Army ..... text, 305; ill. (colored), 310, 311, 314, 315, 318, 319, 322
Navy ceremonies of raising and lowering the colors ..... text, 406; ill., 282, 283
Navy, Early American ..... 287
Neckless men ..... 399
Negro driver in his goat-cart, ill ..... 493
Nelson, Edward W.: Chief of the U. S. Biological Survey. The Rat Pest ..... 1
New Orleans rat plague, ill .. 5, 6, 8, 10-12, 16, 17, 22
Newport News, Va.: Launching a steel merchantman, ill ..... 140
Newport News, Va.: Ship under construction, ill . 145
Newsboy, Russian, ill ..... 117
Newspaper (camp) stimulated men to special effort ..... 442
New York City, Scenes in, ill ..... 237, 409, 410, 440, 443, 464
New York National Guardsmen, ill ..... 298, 456, 464
Nichols, Captain: Landed at New Providence, Bahama Islands, 1776 ..... 294
Nizhni Novgorod, Russia: Types, ill ..... 240
North Carolina currency: 1776, ill ..... 288
Norway or wharf rat ..... 1
Novi Urgentsch, Russian Turkestan: Native houses and cart, ill ..... 232
Nurses under fire: Italian front ..... 67
Nux Vomica, Source of, ill ..... 216

"O"

Oats: Threshing in Illinois, ill ..... 207
Observation position, Russian: Watching the Germans, ill ..... 27
Observatory, Artillery: in the Dolomites, ill .. 49, 54, 62
Obstructing the traffic: Sheep, ill. (rotogravure insert) ..... 518-535
Officers' Quarters: Cantonments ..... 427
"Of the Monks": Des Moines ..... 461
Ogden Monument, Fort Riley, Kans ..... 462
Oglethorpe, James Edward: Founded Augusta, Ga. 469
O'Higgins, Bernardo: Dictator of Chile ..... 364
Ohod, Battle of: Early Islamic days ..... 171
Oil by the Caspian Sea ..... 235
Oiling operations for the control of mosquito breeding, ill ..... 276, 277
Omar, founder of imperial power of Islam ..... 171

Page

Opera star, French: Marthe Chenal, ill ..... 505
"Ophir of the Occident": Country of the Incas .. 356
Opium industry ..... text, 234; ill, 228, 229, 230, 231
Ore cars, Loading: Ashtabula, Ohio, ill ..... 141
Ore handled like sand ..... 121
Ore ships, ill ..... 128, 129, 134, 142
Ore stock pile, ill ..... 122
Organization, Peasants possess good sense of: Russia ..... 243
Organized efforts are necessary against rats ..... 21
Origin of the Stars and Stripes, Many theories as to the ..... 297, 302
Origin of the tricolor of France ..... 373
Orissa famine, Santals perished during ..... 88
Orphan boys of India: Rescued from famine, ill .. 72
"Our Country needs help": Russia ..... 243
OUR FLAG NUMBER: INTRODUCTION BY GILBERT GROSVENOR ..... 281
OUR STATE FLAGS ..... text, 325; ill. (colored), 323, 326, 327, 330, 331, 334
Outcast Arabs, or "Khadem," ill ..... 180
Over the Top: Scotch terrier puppies, ill (rotogravure insert) ..... 518-535
Ox-carts in Georgia, ill ..... 485
Oxy-acetylene torch, ill ..... 146

"P"

Painters, Russian ..... 251
Painting by Edward Moran: "First Salute to the Stars and Stripes," ill ..... 290
Painting by Poussin: Illustrating the "Black Death" plague, ill ..... 4
Palace of Petit Trianon, Versailles, France, ill .... 542
Palace, Royal: Versailles, France, ill ..... 537-539, 541, 544, 545
Palm-lined road: United States, ill ..... 484
Palm tree, Egypt, ill ..... 80
Parade, G. A. R.: Washington, D. C., ill ..... 412
Parade, soldiers on, ill ..... 440, 444, 464
"Paradise, The Flower of": The Part which Khat Plays in the Life of the Yemen Arab. By Charles Moser ..... 173
Paris during its seige in the Franco-Prussian War 84
Paris, France: Women in the coal line, ill ..... 503
Paris was saved ..... 93
Parker process for protecting iron ..... 155
Patriotic spirit, Men behind the hammers imbued with ..... 442
Patriotic State officials: Arkansas ..... 267
Patriotism no longer a lip service ..... 436
Patriotism pennants 200 years ago .. ill. (colored), 371; text, 399
Paul Jones raises the flag ..... 283
Payne, John Howard: Birthplace ..... 449
Pennants of Patriotism 200 years ago ..... ill. (colored), 371; text, 399
Peasant girls, Russian, ill ..... 85
Peasant's fundamental concept of the State: Russia 100
Peasants possess good sense of organization: Russia ..... 243
"Peasant's Son, The": Ilya Mourometz ..... 240
Peasant types, Russian, ill ..... 239, 240
Pechkoff, Lieutenant Zinovi, A Few Glimpses into Russia ..... 238
Perm, Russia: Senator Root addressing soldiers, ill ..... 107
Perry, Oliver Hazard: Battle of Lake Erie ..... 344
Persia: Opium industry, ill ..... 229, 231
Perthshire, Scotland. Awaking the slacker, ill. (rotogravure insert) ..... 518-535
Pest, The rat. By Edward W. Nelson ..... 1
Petersburg, Pure American blood at: Camp Lee ... 429
Petersburg, Va.: Camp Lee ..... 451
Petit Trianon, Palace of: Versailles, France, ill .. 542
Petrograd, Bread line in, ill ..... 100
Petrograd, Russia: Revolutionary scenes, ill ..... 112, 115, 118, 119
Petrograd's Board of Trade members and the American Mission, ill ..... 94
Petrograd: Shrine in a bazaar, ill ..... 45
Phonographs chief delight of soldiers, Italian front 56
Physician, A learned Bagdad: Abd-el-Latif ..... 79
Picquet, La Motte: French Admiral ..... 301
"Pied Piper of Hamelin": Originated in the thirteenth century ..... 15
Pier, Steel and concrete: Duluth, Minn., ill ..... 128
Pig iron, ill ..... 126
Pike, Camp: Little Rock, Ark ..... 459
Pikes Peak from a Colorado highway, ill ..... 492
Pike, Zebulon M.: American soldier and geographer ..... 461
Pilgrims to Mecca and Medina ..... text, 157; ill., 158, 159, 162, 166, 167, 170, 172

Page

Pine-tree shillings, Origin of ... 349
Pittsburgh at night: Steel industry, ill ... 149
Plague, "Black Death": Painting by Poussin, ill ... 4
Plague eradicators: Rat pest, ill ... 6, 9-16, 20, 21
Plague, Rats a persistent ... 7
Plaids and tartans tomorrow: sheep, ill. (roto-gravure insert) ... 518-535
Plattsburg, Soldiers at, ill ... 458, 460
Play-time in camp, ill ... 447, 458
Plebeian knight, Spurius Maelius ... 71
Ploughman and his horses: Scotland, ill. (roto-gravure insert) ... 518-535
Poe lock, Soo Canal, ill ... 142
Poets, Russian ... 249
Poison squad preparing ratbane, ill ... 11, 12
Policeman captured by Revolutionary soldiers: Russia, ill ... 112
Political crisis, Kerensky's speech about the: Russia ... 31
Political drive of the Germans a failure ... 111
Ponies, Scotland: Hickery-Dickery-Dock, ill. (roto-gravure insert) ... 518-535
Pontius Cominius swam the Tiber "on corks" ... 72
"Poppy peeper, A": Shiraz, Persia, ill ... 229
Portland to Brunswick road: Maine, ill ... 495
Portsmouth, New Hampshire, receives John Paul Jones ... 299
Portuguese East Africa: Winnowing mafurra seeds, ill ... 217
Posters, Food-Administration, ill ... 194, 195, 204, 205
Posters, Street-car, used in New Orleans during the rat campaign, ill ... 22
Postman, Every pilgrim his own: Mecca ... 163
Post-office at Mecca under Turkish régime ... 163
Potato crop failure brought famine in Ireland ... 86
Potatoes, Irish cobblers, Maine, ill ... 196
Potatoes, Soldiers peeling, ill ... 211
Pots, Dinner, in the cottage fire-place: Ireland, ill. 74
Pottawattomie, home of John Brown ... 462
Poussin, Painting by: Illustrating the "Black Death" plague, ill ... 4
Powder-horn, Major Samuel Selden's ... 292
Practical priest, A: Russian ... 245
Pressure press: Steel mill, ill ... 137
Prester, John (Preste Juan), Mythical Monarch: Flags of ... ill. (colored), 370; text, 395
Price-fixing and production ... 201
Prices, Fabulous, for food: Ancient Egypt ... 79
Priest, A Practical: Russian ... 245
Priest celebrating mass in the Alps before a snow altar, ill ... 53
Prisoners, German: Trans-Siberian Railway, ill ... 108
Prisons, Turkish: Mecca ... 163
Privy, Construction of a sanitary, ill ... 270
Proctor Knott's unmeant prophecy ... 125
Producer and retailer, Little power over ... 205
Production must be quickened: Food ... 197
Profiteer a modern Judas, The: Food ... 206
Prophecy fulfilled, Mohammed's ... 157
Prophecy, Proctor Knott's ... 125
Prophet's mosque at Medina ... 171
Provost Marshal's office, The work of the ... 431
Pullmans, Steel: Constructing, ill ... 156
Punishment for a rebel, Terrible: Egypt ... 75
Pure American blood at Petersburg ... 429
Pyramid, Egyptian, ill ... 80
Pyramid of soldiers, ill ... 447
Pyramids of wheat ready for shipment, ill ... 190

"Q"

Quantico, Va.: Marines at bayonet practice, ill ... 466

"R"

Rail mill, ill ... 138, 139
Railroad warehouse, Rat-proofing: New Orleans, ill ... 17
Rails, Loading steel: Electro-magnet, ill ... 144
Railway coach, Imperial Russian, ill ... 101
Rainbow Division going into camp, ill ... 468
Ranch in Montana, A cattle, ill ... 188
Ratbane, A poison squad preparing, ill ... 11, 12
Rat pest, The, ill ... 2, 4-6, 8-22
RAT PEST, THE: THE LABOR OF 200,000 MEN IN THE UNITED STATES REQUIRED TO SUPPORT RATS, MAN'S MOST DESTRUCTIVE AND DANGEROUS ENEMY. BY EDWARD W. NELSON ... 1
Rat-proofing buildings, ill ... 16-19
Rats eaten for food during a famine ... 86, 89
Rats, varieties and distribution of ... 1
Ready for the call: Scottish deerhounds, ill. (roto-gravure insert) ... 518-535

Page

Rebel, Egyptian, Terrible punishment for ... 75
Red Cross station in the trenches, ill ... 516
Red Cross unit on the Italian front, ill ... 60
Red red Sea, A ... 396
Red Sea, Twilight on the shores of the, ill ... 161
Red, White, and Blue, The Biblical origin of the ... 302
Reed, Joseph: Military Secretary American Revolution ... 287, 289
Refugees: France, ill ... 87
Refugees from Hun-destroyed villages: France ... 504
Reindeer caravan, Siberia, ill ... 225
Religious ceremonies: Soldiers attending service, ill ... 443
Religious pictures: Church entrance, Kremlin of Moscow, ill ... 112
Religious services before altar of snow: Italian soldiers in the Alps, ill ... 53
Reservoirs, Cleaning storage: Leavenworth, Kans., ill ... 254
Reservoirs: Famous tanks of Aden, Arabia, ill. 160, 164
Resorcin in hair tonics ... 231
Resources, America's, and the Allies' needs ... 90
Restaurants infested by rats ... 8
Revolutionary scenes in Russia, ill ... 96, 112-115, 118, 119
Revolutionary times, Censorship in ... 289
Revolution, the most remarkable in history, Russian ... 99
Rice crop, Harvesting the: Louisiana, ill ... 192
Rich land of Turkey, The ... 392
Rigard, Madame Amelie: Sister Julie ... 517
Ritual observed by orthodox pilgrims: Mecca ... 171
Roach, John, Captain: American Revolution ... 297
Road building, Government object-lesson in, ill ... 483
Road building by government experts ... 495
Road cost and maintenance, Proper distribution of. 493
Road-mender at work, ill ... 491
Roads in the United States, ill ... 478, 480, 482, 484-497
Robilant, Contessa de: Aiding the Italian soldiers. 63
Robinson, Isaiah: Captain of the Andrew Doria ... 294
Robbing Peter to pay Paul ... 231
Rockford, Ill.: Camp Grant ... 459
Roll-call for heroes: Russia, ill ... 44
Roller-chair outing: Russia, ill ... 245
Roman Joseph slain, The ... 71
Romanoff, Nicholas: Ex-Emperor of Russia, ill ... 96
Roman senators after the defeat of their army at Allia ... 71
Rome, N. Y., formerly Fort Schuyler ... 301
Rome safeguarded from famine by ships and military highways ... 73
Root, Elihu, in Russia, ill ... 94, 95, 107, 112, 117
Rosetta stone, Hiding place of ... 393
Roumanian Army, High Command of the, ill ... 120
Roumania's pathetic plight ... 119
Royal Palace, Versailles, France, ill ... 537-539, 541, 544, 545
Rue Royale, French soldiers marching on the, ill. 548
Ruins: France, ill ... 502, 507, 514
Ruler of new Kingdom of Arabia: El Hussein Ibn Ali ... ill., 169; text, 172
Ruler of Roumania, King Ferdinand, ill ... 120
Russia, A Few Glimpses into. By Lieut. Zinovi Pechkoff ... 238
Russia, American Mission to, ill ... 92, 94, 95, 105, 116
RUSSIA FROM WITHIN: HER WAR OF YESTERDAY, TODAY, AND TOMORROW. BY STANLEY WASHBURN ... 91
Russia has earned the Western Allies' undying gratitude ... 93
Russia likened to a crab changing its shell ... 105
Russian armies, Food for, ill ... 35, 39
Russian artillery on the road, ill ... 40
Russian Caucasus: Scenes, ill ... 38, 41-43
Russian Imperial Geographical Society, founded 1845 ... 251
Russian "isba," or hut, near Moscow, ill ... 36
Russian mounted guard, Galician front, ill ... 39
Russian nature is always democratic ... 238
Russian officers watching the Germans from an observation position, ill ... 27
Russian peasant girls harvesting, ill ... 85
Russian peasant, Hunger and the ... 89
Russian peasants' fundamental concept of the State ... 100
Russian revolution the most remarkable in history ... 99
Russian school-boys in Moscow, ill ... 30
Russians in trenches on the Galician front, ill ... 37
Russians love to talk ... 249
Russian soldiers, ill ... 25, 27, 34, 37, 39, 40, 44

Page
Russian troops, American newspaper correspondent addressing, ill. 34
Russian Turkestan, Novi Urgentsch: Native scene, ill. 232
Russian wolfhounds, ill. 242
Russian women soldiers, ill. 97, 98, 102
Russia, Scenes in, ill. 239-242, 245, 246, 248, 252
Russia's ex-Emperor, ill. 96
RUSSIA'S MAN OF THE HOUR: ALEXANDER KERENSKY'S FIRST SPEECHES AND PROCLAMATIONS. 24

"S"

St. Dié, France, where America was named. 518
St. Eustatius, Fort of Orange: First foreign salute to an American flag. 294
St. George, type of the warrior saint. 239
St. Patrick's Cathedral, Soldiers attending service at: New York City, ill. 443
St. Patrick was born in Scotland. 379
St. Paul's Cathedral, Stars and Stripes received into: London. text, 286; ill., 302
St. Vladimir monument, Kief, Russia, ill. 241
Sacred cities freed from Turkish yoke: Arabia. 171
Salamanca at the battle of Otumba. 356
Salle de l'Oeil-de-Bœuf: Palace of Versailles, ill. 538
Salt Lake City school children forming the flag, ill. 408
Salmon fishing, Oregon, ill. 208, 209
Salutes to the American flag, The first. ill., 300; text, 294, 301
Salutes, Usages in flag. 408
Saluting the flag: Star Spangled Banner, ill. 285, 290, 300, 410
San Antonio, Texas: Camp Travis. ill., 426; text, 462
Sand-bag dugout: Y. M. C. A. hut, ill. 457
San Diego, Cal.: Camp Kearny. 475
Sanitating civil zones around cantonment areas, ill. 254, 256, 258-260, 262, 263, 265, 266, 268, 270, 272, 274-277
Santals perished during Orissa famine. 88
Sault Ste. Marie, Wheat steamers in the locks, ill. 198
Scaffolding around a ship under construction, ill. 145
Scales: Weighing opium, Persia, ill. 231
Scenes in a cellar during a bombardment. 509
School-boys in Moscow, ill. 30
School children and the United States flag, ill. 285, 408-410
Science knows little about khat. 173
Scientists, Russian. 251
Scotch collies: The Campbells are coming, ill. (rotogravure insert) 518-535
Scotch Highlanders playing their bagpipes, ill. 513
Scotch terrier puppies: Over the top, ill. (rotogravure insert) 518-535
Scotland, Scenes in, ill. (rotogravure insert) 518-535
Scott, Hugh L.: In Russia, ill. 92, 94, 95, 103, 116, 117
Scottish types, ill. (rotogravure insert) 518-535
Sea of clouds: The Cadore district, Dolomite Alps, ill. 48
Seal of the President: U. S. A. text, 306; ill. (colored), 310
Seal of the United States and its uses. text, 305, 306; ill. (colored), 310
Selden, Samuel: Powder-horn. 302
Selected men: National Army, ill. 430, 432, 434
Semaphore messages, Sending and receiving, ill. 405
Sentiment among soldiers, A touch of. 546
Sentinel to guard hens: Italian hospital. 63
Sentry, as his evening vigil begins, ill. 463
Sergeant who sneezed, The story of the. 429
Sevier, Camp: Greenville, S. C. 467
Sevier, Col. John: Indian fighter. 469
Sewers, Snap-traps in surface: New Orleans rat pest, ill. 10
Sewing: Children making a flag, ill. 474
Sewing stars on the flag, ill. 420
Shaving soldiers in camp, ill. 450
Shears clipping steel, ill. 155
Sheep, Black-face: Scotland, ill. (rotogravure insert) 518-535
Shelby, Camp: Hattiesburg, Miss. 472
Shelby, Isaac: Colonel, Revolutionary soldier. 472
Shells for the European battle front, ill. 143
Sheridan, Camp: Montgomery, Ala. 470
Sheridan, Philip Henry: General, Civil War. 472
Sherman, Camp: Chillicothe, Ohio. 455
Sherman, William Tecumseh: General, Civil War. 455
Shillings, Famous pine-tree. 349
Page
Ships and military highways safeguarded Rome from famine. 73
Ships infested by rats. 8
Ships, ore, ill. 125, 128, 129, 134, 142
Ships protected against rats, ill. 20, 21
Ships, Sail: 1778, ill. 290
Ship: Steel merchantman, Newport News, Va., ill. 140
Ships, U. S. Navy, ill. 282, 283
Ship under construction: Newport News, Va., ill. 145
Shiraz, Persia: Opium industry, ill. 229-231
Shoemaker, An erudite: Russia. 247
Shoemaker, Scotland, ill. (rotogravure insert). 518-535
Showalter, William Joseph: America's New Soldier Cities. 439
Showalter, William Joseph: Industry's Greatest Asset—Steel 121
Shrapnel steel, Rolling bars for: Pennsylvania mill, ill. 136
Shrine in a bazaar in Petrograd, ill. 45
Shrine, Mohammedan: Mecca. text, 157; ill., 168, 170, 172
Shrine of Austrian royalty: In French Lorraine. 504
Shrine where America was christened: France. 518
Siam, Founder of: Xacca. 377
Siberia: Yakut girl's costume, ill. 250
Siberia: Yakut reindeer caravan, ill. 225
Signal bridge: Sending and receiving semaphore messages, ill. 405
Signaling device, An early. 393
Signals. text, 317, 320; ill. (colored), 319, 322
Significance of our colors. 301
Silhouetted sentry as his evening vigil begins, ill. 463
Silver-work, Yakut girl's costume: Siberia, ill. 250
Singapore, Massing the fleet, ill. 220
Sister Julie, a heroine among heroes. 517
Skirmish line of Italian skimen advancing in attack, ill. 61
Skis, Italian soldiers provided with, ill. 50, 61
Slacker, Awaking the: Scotland, ill. (rotogravure insert) 518-535
Slave trade in Arabia. 161
Smallpox epidemic strangled: Arkansas. 267
Smokers, Opium: Persia, ill. 230
Snap-traps in surface sewers: New Orleans' rat pest, ill. 10
Snow altar: Open-air religious services in the Alps, ill. 53
Snow-trenches in the Alps, ill. 46, 64
Social intercourse not allowed among Russian students 244
Socialism, The looming shadows of. 207
Societies organized for the destruction of rats. 16
Soil defenders, Russian heroes as. 240
Soldier Cities, America's New. By William Joseph Showalter. 439
Soldiers' and Workingmen's Delegates: Russia. 103
Soldiers, British: Visiting Versailles, France, ill. 536, 550
Soldiers' coffins draped with Star Spangled Banner, ill. 287
Soldiers, French, ill. 501, 506, 512, 518, 548
Soldiers' graves: France, ill. 510
Soldiers Have Fallen, That Part of France Where the First American. By Harriet Chalmers Adams 499
Soldiers, Italian, in the Alps. text, 47; ill., 49-56, 58-62, 64-66
Soldiers, Roumanian commanders, ill. 120
Soldiers, Russian, ill. 25, 27, 34, 37, 39, 40, 44, 92, 97, 98, 102, 103, 107, 112, 114, 115, 118, 119, 246
Soldiers: Scotch Highlanders, ill. 513
Soldiers, United States, ill. 210, 211, 298, 307, 428, 432, 434, 440, 443, 444, 447, 448, 450, 453, 454, 458, 460, 463, 464, 466, 468, 471, 481
"Song of Hiawatha" translated in Russian. 240
Song, The "Blighty". 538
Soo Canal, Poe Lock, ill. 142
Soochow, China: Chinese druggist and his chemists, ill. 236
Soo locks: Ore ships. text, 125; ill., 129
Soul-mates in blast furnaces. 140
South Georgia, Millions of rats exist on the island of 4
Soy-beans on the docks at Dalny, Manchuria, ill. 35
Spanish moss growing on live-oak trees: Georgia, ill. 496
Spartanburg, S. C.: Camp Wadsworth. 467
Speculation engendered by over-demand: Food. 199
Speeches and proclamations, Alexander Kerensky's first 24

Page

Speechmaking has become the national pastime in Russia ... 110
Speke, J. H.: Discovered Victoria Nyanza, 1858 ... 395
Sports: Russia, ill ... 245, 246
Spotsylvania County, Va.: Road scenes, ill ... 497
Spring of Zem Zem: Arabia ... 163
Spring, Protecting a: U. S. Public Health Service, ill ... 268
Spurius Maelius killed by Servilius Ahala ... 71
Stairway to observation post in the Alps, ill ... 54, 62
Standardization hastens cantonment construction ... 425
"Stars and Bars" of the Southern Confederacy, ill. (colored), 338; text, 344
Stars and Stripes, Birthday of ... 295
Stars and Stripes, The correct display of the ... 404
"Star Spangled Banner," Original: U. S. National Museum, ill ... 291
Star Spangled Banner, The flag that inspired ill., 291; text, 306
State flags of the United States ... text, 325; ill. (colored), 323, 326, 327, 330, 331; 334
Station-mistress: France, ill ... 510
Station scenes, Russian, ill ... 109, 110
Station, Teliferica: On a mountain top in the Alps, ill ... 66
Statue: "Last moments of Napoleon," ill ... 544
Steamer, British: *Britannic*, ill ... 148
Steamers, Wheat, ill ... 198, 200, 203
Steam shovels used in iron mines ... 122
Steel cables strung from peak to peak: Dolomite Alps, ill ... 51, 55, 66
Steel industry in United States, ill ... 122, 124, 126-150, 152-156
Steel, Industry's Greatest Asset. By William Joseph Showalter ... 121
Stewart, Charles W.: Biblical Origin of the Red, White, and Blue ... 302
Storm warnings ... text, 321; ill. (colored), 322
STORY OF THE AMERICAN FLAG, THE ... 286
Story of the sergeant who sneezed, The ... 429
Street-car conductor: French woman, ill ... 511
Street-car posters used in New Orleans during the rat campaign, ill ... 22
String band and glee club at Plattsburg, ill ... 458
Submarine, the aeroplane and castor oil ... 219
Subterrannean village: Coal mine ... 135
Sucre, General de: Victor of the battle of Ayacucho ... 357
Suffering due to the extravagance of the French court ... 84
Sugar: Amount used by United States ... 191
Sun, The Midnight ... 399
Swamps, Draining: U. S. Public Health Service, ill ... 275
Swartwout, Abraham: Contributed blue coat to make an American flag ... 301
Syrian Mahmalon on its way to Mecca, ill ... 162

"T"

Table upon which Nicholas II signed his abdication, ill ... 101
Tacoma, Washington: Camp Lewis ... 465
Talk, Russians love to ... 248
Tanks of Aden, Arabia, ill ... 160, 164
Tapping an open-hearth furnace: Steel mill, ill ... 131
Targone, Italian engineer ... 401
Tar-pot, Profits from the ... 138
Taxation, Burden of: France under Louis XIV ... 84
Taylor, Camp: Louisville, Ky ... 456
Taylor, Zachary: Twelfth President of the United States ... 459
Teaching regarded as a noble calling: Russia ... 244
Tea house, Persian, ill ... 230
Teliferica, Via the: Dolomite Alps, ill ... 51, 55, 66
Tenochtitlan, now the city of Mexico ... 360
Tented camp, ill ... 456, 463, 468
Tented hospital, A glimpse of a: France ... 500
Tents of pilgrims en route to Mecca, ill ... 166, 167
Terestchenko, M. I.: Russian Minister of Foreign Affairs, ill ... 95
Texas border, Armored car on the, ill ... 479
Thieves of fertile brains: Rats ... 15
Thompson, Thomas: Captain of the *Raleigh* and the *Alfred* ... 299
Thor, Germanic epics ... 240
Three wise men of Arabia, ill ... 182
Threshing oats in Illinois, ill ... 207
Tiber: Pontius Cominius swam the Tiber "on corks" ... 72
Tibet, Europe's first account of ... 397
Tiflis, Russian Caucasus, ill ... 38, 41, 248
Tlaxcallans at the battle of Otumba ... 356
Toll-gate near Harpers Ferry, West Virginia, ill ... 482
Tolstoy's coachman at Yasnayah Polyanah, Russia, ill ... 32
Tower of Babel ... 396
Train: France, ill ... 510
Training camp, Trench warfare in, ill ... 471
Training schools, Government's aviation, ill ... 424
TRAINING THE NEW ARMIES OF LIBERTY: CAMP LEE, VIRGINIA'S HOME FOR THE NATIONAL ARMY. BY MAJOR GRANVILLE FORTESCUE, U. S. A ... 421
Trains, Iron-ore: Minnesota ... 123
Transportation, Practical tests of motor ... 491
Trans-Siberian Railway, Scenes on the, ill ... 103, 106, 108, 109, 111
Traps, Snap, in surface sewers: New Orleans' rat pest, ill ... 10
Travel, Modes of: America, ill ... 478, 487
Travel on the Trans-Siberian Railway, ill ... 111
Travis, Camp: San Antonio, Tex., ill., 426; text, 462
Travis, William B.: Colonel ... 465
Treasure, Mecca's oldest: Black stone ... text, 163; ill., 170
Tree, Palm: Egypt, ill ... 80
Trenches on the Galician front, Russians in, ill ... 37
Trenches, Scenes in the: France, ill ... 506, 515, 516
Trenches, Snow: Italian soldiers in the Alps, ill. 46, 64
Trenches to Versailles, From the. By Carolyn Corey ... 535
Trenching machines used to lay water mains ... 445
Trench warfare at a training camp, ill ... 471
Trentino, An Italian snow trench in the, ill ... 64
Tricolor blooms above the dead of France ... 516
Troops followed by hospitals on mule-back: Italian front ... 62
Tsar of Russia: His chance of being called "The Great" ... 99
Tu-chung bark, Load of: China, ill ... 227
Turkey, The rich land of ... 392
Turkish opium market-place, ill ... 228
Turkish prisons in Mecca ... 163
Turkish yoke, Sacred cities freed from the: Arabia 171
Twilight on the shores of the Red Sea, ill ... 161
"Twilight slumber, The high cost of" ... 233

"U"

Unanimous response to war's call: Russia ... 241
Understanding other nations ... 253
Uniformed forces of the United States, Insignia of ... text, 413; ill., 414-419
Unions formed in Russia ... 250
United States:
- Arkansas, Little Rock: Work around Camp Pike ... 264
- California highway system, ill ... 488
- Campaigns against rats ... 3
- Colorado highway and Pikes Peak, ill ... 492
- District of Columbia: Fireman canning corn, ill ... 201
- Georgia, Chatham County road, ill ... 496
- Georgia: Constructing a government object lesson road, ill ... 483
- Georgia dirt road, ill ... 485
- Illinois: Threshing oats, ill ... 207
- Insignia of the uniformed forces ... text, 413; ill., 414-419
- Kansas, Leavenworth: Campaign for health, ill ... 254, 256, 263
- Long Island: Farmingdale: Milking time, ill ... 206
- Louisiana, Crowley: Harvesting the rice crop, ill ... 192
- Louisiana, New Orleans rat plague, ill ... 5, 6, 8, 10-12, 16, 17, 22
- Maine: Federal-aid road between Portland and Brunswick, ill ... 495
- Maine, Irish cobbler potatoes grown in, ill ... 196
- Map, showing location of camps ... 438
- Maryland, Camp Meade: First drill, ill ... 432
- Massachusetts' first Governor: John Hancock 353
- Massachusetts, Gloucester: Codfish drying, ill 212
- Massachusetts, Cambridge: Hoisting the Grand Union flag ... 289
- Michigan, Sault Ste. Marie: Wheat steamers, ill ... 198
- Michigan, Wayne County: Concrete highway, ill ... 486
- Minnesota: Steel industry ... text, 121, 122; ill., 124, 150
- Montana, A ranch in, ill ... 188
- Montana, Gallatin Valley wheat field, ill ... 202
- New Hampshire: Mill workers' flag, ill ... 411
- New Hampshire, Portsmouth: Reception to John Paul Jones ... 299
- New Jersey, Morristown: Ambulance drivers, ill ... 428

Page

United States:
New York, Buffalo: Industrial scenes, ill. 126, 203
New York City scenes, ill. 237, 409, 410, 440, 443, 444, 464
New York: "Rainbow Division" going into camp, ill. 468
North Carolina currency, 1776, ill. 288
North Carolina, Mecklenburg County road, ill. 480
North Carolina road improvement, ill. 489
Ohio: Iron ore and steel industry, ill. 122, 135, 141
Oregon: Fish industry, ill. 208, 209
Pennsylvania: Steel industry, ill. 136, 145, 149
Public Health Service campaign against rats. ill., 6, 9; text, 18
Public Health Service at work. 254, 256, 258-260, 262, 263, 265, 266, 268, 270, 272, 274-277
Sailors sending and receiving semaphore messages, ill. 405
Southwestern State road with a steep grade, ill. 490
State flags. text, 325; ill. (colored), 323, 326, 327, 330, 331, 334
U. S. S. *Arizona*, Commissioning the, ill. 296
U. S. S. *Michigan*, Launching the, ill. 295
U. S. S. *Sylph*, ill. 294
Virginia, Chapawamsic Swamp: Dirt road, ill. 486
Virginia, Newport News: Shipbuilding, ill., 140, 145
Virginia, Quantico: Marines in training, ill. 466
Virginia's Home for the Natonal Army, Camp Lee. By Major Granville Fortescue 421
Virginia, Spotsylvania County: Road scenes, ill. 497
Weather forecast flags and storm warnings. text, 321; ill. (colored), 322
West Virginia, Scene near Harpers Ferry, ill. 482
Unity, Emblem of our 303
University with 7,000 students: Russia. text, 131; ill., 134
Unloader, Hulett. text, 131; ill., 134
"Up, Sons of France, The Call to Glory," ill. 505
Upton, Camp, Long Island. ill., 437; text, 449
Upton, Emery: Colonel, Civil War 450
Uther Pendragon 380

"V"

Vaccination against typhoid fever: U. S. Public Health Service, ill. 256, 258-260
Valley of Mina, Arabia: Encampment of pilgrims, ill. 166
Vanished Kingdom, The: Polonia 389
Vasco da Gama and the drug trade 221
Vender of drugs: China, ill. 232
Venice and the drug trade 219
Verkhoyansk Mountain, Siberia, ill. 225
Versailles, France: Scenes, ill. 536-539, 541-545, 548, 550
Versailles, From the Trenches to. By Carolyn Corey 535
Vessels, Rats infest grain 3
Village blacksmith: Scotland, ill. (rotogravure insert) 518-535
Villages, Russia a land of 245
Village, Subterranean: Coal mine 135
Vizier el-Gargarai imprisoned: Egypt 77
Volunteers needed, A nation of: Food conservation 194
Vyatka, Russia: Scenes, ill. 110, 113

"W"

Waco, Texas: Camp MacArthur 473
Wadsworth, Camp: Spartanburg, S. C. 467
Wadsworth, J. S.: Civil War 467
Wagon, Official rat-collecting: Copenhagen, ill. 15
Waldemar, King of Denmark 373
Wall scaling: Camp Wadsworth, ill. 453
War dogs aiding the soldiers in the Alps, ill. 60
Warehouse, Rat-proofing a railroad: New Orleans, ill. 17
War refugees in France, ill. 87
Warrior saint, St. George a type of the 239
War's call, A unanimous response to: Russia 241
War's Effect upon the World's Sources of Supply: Medicines. By John Foote, M. D. 213
Wars of the clove 221
Wars, Russia's: War of Yesterday, Today, and Tomorrow. By Stanley Washburn. 91
Washburn, Stanley. Three Years Special Correspondent with the Russian Armies: Russia from Within 91
Washington, D. C.: G. A. R. parade, ill. 412
Washington, George: Commander-in-Chief, Continental forces 286, 289, 292

Page

Washington fireman cantling his corn crop, ill. 201
Washington Irving High School, New York: Dedication, ill. 410
Washington, William: Colonel in American Revolution 352
Water front: Mukalla, Arabia, ill. 217
Water front: Singapore, ill. 220
Water mains, Giant trenching machines used to lay 445
Wayne County, Michigan: Concrete highway, ill. 486
Wealth of India, The 396
WEAPON OF FOOD, THE. BY HERBERT HOOVER 197
Weather forecast flags. text, 321; ill. (colored) 322
Weaver, Lieutenant, of the Cabot, 1776 294
Wedding, The part khat plays at a: Arabia 185
Weeds used for food during a Russian famine 89
Well-water inspection: Little Rock, Ark., ill. 266
Western Allies' undying gratitude earned by Russia 93
Whalebacks loaded with wheat: In the locks, ill. 198, 200
Wharf or Norway rat 1
What an aroused democracy can do 446
"What's the matter with Kansas": Emporia, birthplace of 462
Wheat exports 191
Wheat field in Gallatin Valley, Montana, ill. 202
Wheat ready for shipment to Europe, ill. 190
Wheat, Sheaf of: Russia, ill. 85
Wheat steamers, ill. 198, 200, 203
Wheeler, Camp: Macon, Ga 470
Wheeler, Joseph E.: Brigadier General 470
White clay used for food during famine 83
*William P. Snyder, Jr.*, Ore ship 125
Wilson, President: Flag Day Address 303
Wilson, President: Letter from, ill. 549
Winter Palace: Petrograd, ill. 119
Winter sports: Roller-chair outing in Russia, ill. 245
Wise men of Arabia, Three, ill. 182
Wolfhounds, Russian, ill. 242
Women harvest the khat crop: Arabia 179
Women help, How the Russian. ill., 106; text, 243
Women soldiers, Russian, ill. 97, 98, 102, 246
Women workers, American, ill. 136, 201, 206
Women workers in France, ill. 503, 507, 510, 511, 512
Woodstock Iron Company founded Anniston, Ala. 470
Workmen quartered in camps they were building. 441
World flags 200 years ago 399
World, Naval flags of the. ill. (colored), 347, 350, 351; text, 369
Wounded soldiers in the Alps, ill. 55
Wrestling: "Battalion of Death," Russia, ill. 246
Wrightstown, N. J.: Camp Dix 450
Writing home while in the trenches, ill. 515
Wu Hu, China: Native doctor, ill. 214

"X"

Xacca founder of Siam 377
Xomo Calle, Dolomite Alps: Snow trenches, ill. 64

"Y"

Yakut girl's costume: Siberia, ill. 250
Yakut reindeer caravan, Siberia, ill. 225
Yaphank, Long Island: Map of Camp Upton 437
Yardstick, America's mental 93
Yasnayah Polyanah, A Russian family at, ill. 32
Yellowstone National Park: Bears, ill. (supplement) 91
Yemen Arab, The Part which Khat Plays in the Life of the. By Charles Moser 173
Yemen khat carrier, ill. 165
Y. M. C. A. building, ill. 448
Y. M. C. A. hut at the front, ill. 457
Youngstown, Ohio: Steel plant, ill. 135
Yungyang Hsien, China: Coolie, ill. 227

"Z"

Zahir, Caliphate of: Egypt 75
Zanzibar: Clove industry, ill. 222, 223
Zanzibar, Loading lighters at, ill. 235
Zem Zem, Spring of: Arabia 163
"Zenith City of the Unsalted Sea": Duluth, Minn., ill. 127
Zone of supply gradually narrowing: Food 197
Zuschlag campaign against rats: Copenhagen, ill. 13-15
Zuschlag, Emil: Danish engineer 16
Zwemer, Dr. S. M.: Mecca, The Mystic 157